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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 140
Number 13

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September 29, 1941

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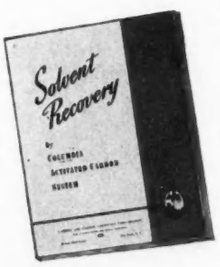

This 32-page book tells more about the "Columbia" activated carbon solvent recovery system and its profitable use. When you write for a copy, tell us the name and quantity of solvents you vaporize and how you collect the vapors, so that we can help you determine what you can save. No obligation, of course.

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Volume 140 | **September 29, 1941** | **Number 13**

Acetic Acids Price Ceiling Established

OPD Washington Bureau
September 24, 1941

A maximum price schedule for acetic was today issued by the Office of Price Administration. The schedule, becoming effective September 29, is applicable to the sale or purchase of 3,000 pounds or more.

By limiting application of ceiling prices to sales of 3,000 pounds or more, the schedule will affect only manufacturers of acetic acid or very large jobbers. It is expected, Leon Henderson, Administrator, said, that prices for smaller lots sold by jobbers and dealers will reflect only the normal margins of mark-up for their services. Should dealer prices get out of hand, Mr. Henderson stated, the schedule may be amended to cover smaller quantity transactions.

The following maximum prices are established for glacial acetic acid (99.5 percent or over), and for weaker acetic acid of commercial grade in terms of 100 percent acid content:—

Tankcars
(Delivered)

Glacial
(99.5% or over)

	Per 100 lbs.
Wood origin*	$7.25

Commercial
(100% basis)

Other origin	6.25

Carlot†
(Barrels or drums)

Pure‡

Percent.	Per 100 lbs.
30	$4.23
36	4.61
60	7.17
80	8.70

Technical‡
(Barrels or drums)

Percent.	Per 100 lbs.
28	$3.18
56	5.18
70	6.19
80	6.91
84	7.20

Glacial

	Per 100 lbs.
Barrels or drums	$8.45

U.S.P.

	Per 100 lbs.
Barrels or drums	$10.25

Chemically Pure

	Per 100 lbs.
Barrels or drums	$13.50

*Tankcar prices for material of wood origin are on a delivered basis, with freight in excess of 32 cents per 100 pounds allowed to be charged to buyers' account.
†F.o.b. producers' shipping points.
‡Specifically designated percentages include all approximations thereof.

—Continued on page 28

Chlorine Plant To Be Built by U.S.

OPD Washington Bureau
September 25, 1941

The Federal government is preparing to construct at least one new chlorine plant in order to obtain sufficient aluminum chloride to supply the needs of a treble expansion of the refining capacity of 100 octane gasoline, Petroleum Coordinator Harold L. Ickes revealed today. Mr. Ickes said that his office in conjunction with Federal Loan Administrator Jesse H. Jones has worked out a tentative program whereby the Reconstruction Finance Corporation or one of its subsidiaries would advance approximate-

—Continued on page 28

Hardwood Charcoal Cos. Deny F.T.C. Charges

OPD Washington Bureau
September 18, 1941

Answers to a complaint issued by the Federal Trade Commission alleging combination and conspiracy to restrain trade through price fixing and other practices have been filed by three hardwood charcoal producers and their sales agent. The respondents named in the complaint are Tennessee Products Corporation, Nashville; Forest Products Chemical Company, Memphis, and Crossett Chemical Company, Crossett, Ark., all hardwood charcoal producers, and Hardwood Charcoal Company, Memphis, alleged exclusive sales agent for the producers. The respondents deny the charges.

Civilian Supply Branch Chiefs Are Appointed

OPD Washington Bureau
September 24, 1941

Appointment of Dr. Reavis Cox as Supervisor of Industry Branches, and of the chiefs of five industry branches in the Division of Civilian Supply was announced today by Joseph L. Weiner, deputy director. Dr. Cox, chairman of the marketing department of the Wharton School of Finance and Commerce, University of Pennsylvania, has been serving as assistant director of the division. In his new post, he will have general supervision over the nine branches recently setup in the division.

Jesse L. Maury, former head of the non-ferrous metals section, was named chief of the electrical applicances and

—Continued on page 57

Concannon to Survey Southern Chem. Industry

OPD Washington Bureau
September 24, 1941

Charles C. Concannon, chief consultant on chemicals of the Department of Commerce, has been designated to conduct a survey of the chemical industry throughout the Southern United States and to meet with representatives of the industry for discussion of the newly-inaugurated industrial reporting program designed to establish broader contacts between the government and the chemical industry.

Mr. Concannon will give particular study to the current situation in the tung oil and proprietary medicine industries. The survey will include data on production, storage, sale, delivery and consumption of cheimcal products, analyses of problems arising in these fields of the industry, and actual or suggested solutions for these problems by the producers and manufacturers of chemicals.

Soybean Ass'n Asks Larger Output of Domestic Oils, Fats

The American Soybean Association, at its twenty-first annual meeting held in Des Moines and Ames, Iowa, September 12-13, elected the following officers:—President, David Wing, of Mechanicsburg, Ohio; vice-president,

Soybean Ass'n Officers
D. Wing, President; J. B. Edmondson, Treasurer; G. M. Strayer, Secretary.

J. Johnson, Champaign, Ill.; treasurer, J. B. Edminson, Clayton, Ind., and secretary, George M. Strayer, Hudson, Iowa. About 500 growers, grain handlers, educators, industrialists, and government specialists attended.

Directors, one for each of the major soybean producing States, are:—G. G. McIlroy, Irwin, Ohio; Ersel Walley, Fort Wayne, Ind.; Howard Roach, Plainfield, Iowa; Stuart Ormsby, Bellville, N. Y.; John Dries, Saukville, Wis.; and Jacob Hartz, Stuttgart, Ark.

A resolution was adopted calling for cooperation with dairy and other vegetable industries in the promotion of a greater production of domestic oils and fats, due to the depletion of stocks in the United States.

During a field trip to the Iowa State College Agronomy Farm, Dr. Martin G. Weiss, collaborator of the Regional Soybean Industrial Products Laboratory, indicated that experiments in hybridization at Ames promise that much can be done in respect to yield, lodge resistance, and iodine number of drying quality of soybean oil. However, the tediousness of the work with the soybean, a self-pollinated plant makes progress slow, he said.

Donald Ramseyer, plant superintendent of the Ford Motor Company's soybean enterprises, reported that considerable progress has been made in the development of a soybean fiber for use in automobile upholstery, The fiber is spun from pure protein which is extracted from soybean oil.

Dr. T. H. Hopper, director of the United States Regional Soybean Laboratory, Urbana, Ill., told the delegates that improvements have been made during the year in plastics of the phenolic resin type containing as much as one-third soybean. Dr. Hopper also reported that the most efficient solution for the extraction of protein from soybean meal has been determiined by laboratory tests.

Walter Flumerfelt, manager of the Soybean Processing Company, Waterloo, Iowa, described the new grades of soybeans now in effect. A note of interregional cooperation was injected into the discussion by the banquet address September 12 by R. J. Goode, former Alabama Commissioner of Agriculture, on the topic "United We Stand." Mr. Goode urged the discontinuance of interstate trade barriers, in particular the various State taxes on margarin.

C. V. Gregory, associate publisher of Wallaces' *Farmer*, of which Vice-President Henry A. Wallace is editor on leave of absence, praised the efforts by the United States Department of Agriculture in increasing food production plans to supply this country and Great Britain in the current emergency.

—Continued on page 41

Sterling Products Decree Defended

OPD Washington Bureau
September 25, 1941

An explanation of the procedure used by the Department of Justice in entering a consent decree with Sterling Products, Inc., and subsidiaries was issued today by Assistant Attorney-General Thurman Arnold, head of the antitrust division of the department.

The statement apparently was prompted by widely published reports that Sterling Products used political influence to obtain settlement of the case on lesser terms than principally intended by the department. This is implicitly denied. The decree voided contracts of many years' standing with the German I.G. Farbenindustrie regarding division of markets in South American countries.

With reference to settlement of the case by acceptance of a consent decree Mr. Arnold's statement said:—

In cases which are terminated without a trial through pleas of nolo contendere, it has been the consistent prac-

—Continued on page 46

Margarin Embargo Asked by Dairymen

OPD Washington Bureau
September 24, 1941

Shipment and sale in interstate or foreign commerce of oleomargarin containing milk or its products, or which resembles butter as to color, flavor, or appearance would be prohibited under the terms of identical bills introduced in the two houses of Congress by Senator Guy M. Gillette of Iowa and Representative August H. Anderson of Minnesota.

The two bills were introduced in an effort to nullify the standards of identity for margarin issued by Federal Security Administrator Paul V. McNutt, which became effective September 6. These standards set up minimum requirements of fats, vitamins, and other ingredients which must be included in margarin if it is to be shipped in interstate commerce.

The bill provides for a fine of $1,000 or imprisonment for two years, or both, upon any person who knowingly

—Continued on page 41

Chemical and Petroleum Corporation Incomes in 1939

OPD Washington Bureau, September 24, 1941

The Secretary of Treasury today made public statistics of corporations incomes and excess profit taxes for 1939, filed through December 31, 1940, and prepared under the direction of Guy T. Helvering, Commissioner of Internal Revenue.

The returns covered by this report are, in general, for the calendar year ending December 31, 1939. However, a considerable number of returns for a fiscal year, other than the calendar year, ending within the period July, 1939, through June, 1940, are tabulated with the calendar year returns for 1939. There are also included part year returns for which the greater part of the accounting period falls in 1939. The data are tabulated from the returns as filed by the taxpayer, and prior to revisions that may be made as a result of audit by the Bureau of Internal Revenue. Amended returns and tentative returns are not included in the tabulations.

—Continued on page 28

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

Sept. 26, 1941	Sept. 19, 1941	Sept. 27, 1940
131.8	130.4	99.6

Paint, varnish, and lacquer materials, oils, fats, and waxes, botanical drugs, spices, and gums, and essential oils and aromatic chemicals are up from the preceding week. All other groups are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Castor Oil Up

Prices on castor oil were advanced ¾c. per pound in New York; 1c. in Boston and Baltimore; ¾c. at middlewestern points; and 1c. in the south. Spot U.S.P. oil in tanks is 11¾c. per pound; extracted No. 3, 11½c. in tanks; blown oil, tanks, 14c.; and dehydrated oil, tanks, 16c.

Methanol and Glycerin Price Ceilings at Hand

Price ceilings on methanol and glycerin are expected to be set momentarily by the office of Price Administration, according to reports received from Washington late last Friday.

The methanol situation has been made more actue by the antifreeze survey that forecasts that supplies are certain to be insufficient on the basis of present arrangements.

To provide for motor needs fully, it is now proposed to divert some of the methanol now alloted to formaldehyde manufacture to the antifreeze stocks.

Glycerin factors met with OPA on September 26 to discuss prices with a view to setting ceilings, probably on crude and refined material. Rapid crystalization of ideas suggests an early setting of the ceilings.

Defense Materials Price-Index Trend

There were no changes in quotations for strategic materials during the third week of September. On September 20, the Bureau of Labor Statistics' index of market prices of these materials remained at 141.7 percent of the August, 1939, level. Critical materials' markets showed little activity this week. Index numbers of market prices of strategic and critical materials are:

(August, 1939 = 100)

	Strategic.	Critical.
August 23	142.1	115.7
September 13	141.7	117.1
September 20	141.7	117.1

Bids Wanted

Carbon Tetrachloride:—7,000 pounds; U. S. Engineer Office, Ft. Peck, Mont.; invitation 24, opening September 30.

Candles:—45,000 pounds, Purchasing and Contracting Officer, New Orleans Port of Embarkation and General Depot, New Orleans, La.; invitation 1966-28, opening September 30.

Cleanser: — 40,000 14-oz. cans; Quartermaster, Marine Corps, Washington, schedule 594, opening October 3.

Flavoring:—42,000 bottles; Quartermaster Depot, 26 Exchange Place, Jersey City, N. J.; invitation 1913-135, opening October 2.

Lacquer: — 5,000 gallons; Commanding Officer, Picatinny Arsenal, N. J., procurement 613, opening October 6.

—Continued on page 41

Subcontracting Group For Defense Formed

OPD Washington Bureau
September 25, 1941

Appointment of a major executive of each of fifty-six companies holding major defense contracts to take complete charge of subcontracting efforts of his company and to act as a liaison officer between his company and the Contract Distribution Division of the Office of Production Management, was requested today in a letter sent to the companies by Floyd B. Odlum, newly appointed director of the division.

Contents of This Issue

News and Statistics

A.C.S. Divisional Officers Appointed 4
A.C.S. Board Opposes Unionizing... 5
Aluminum Output to Be Raised... 30A
Acetic Acids Price Ceiling Established 3
Amer. Cyanamid Agent on MBI Process 26
BIMS Golf Winners 52
Books You Can Use 36
Buffalo Paint Club To Buy Defense Bonds 57
Browning Drafted by SPAB 30D
Balto. Paint Club Elects Whitescarver 36
Cardox to Make Percholate 26
Central America Chemical Development Studied 57
Calif. Oil Conservation Planned 57
Chicago Paint Group Hears Priest.. 57
Crude Oil Delivery to Phil. 57
Color System for Machinery Developed 30C
Chemical, Oil Firms Incomes: 1939.. 3
Civilian Supply Chiefs Named 3
Concannon to Survey Southern Chem. Industry 3
Chlorine Plant to be Built by U.S... 3
Defense Contracts Recently Awarded 4
Drug Firms' Financial Data Issued.. 52
Dewey & Almy Appoints Agent in So. Calif. 52
Dallas Production Club Meets 30C
Drew Leaves Tanners Council 29
Export Control Office in New Orleans 5
General Aniline Names Directors.. 30B
Hercules Opens Rosin Plant 30D
Hardwood Charcoal Cos. Deny F.T.C. Charges 3
Hults Heads Plastics Firm 36
International Vitamin Sold 44
India to Make Formaldehyde 52
Ind. Refinery Fire Kills One 53
Kans. Ammonia Plant Contract Awarded 30A
Methanol Price Ceiling Due 4
Manganese, Mica Deals With India 5
Monsanto Issues Bulletin 30D
Merkin Co. Buys Defense Bonds 57
Margarin Embargo Asked 3
Merck Adds Vaupel to Staff 44
Mutual Issue Chromium Compounds History 29
McK. & R. Reorganization Costs Filed 44
N. Y. Paint Club Meets 30C
New Drug Applicant Indicated 5
N. Y. Production Club to Meet 4
Olive Oil Assn. Forms Ad Group.. 26
Phenestal Shipment Delayed 30D
Power Alcohol Satisfactory 5
Prickett Retires from Hercules Powder Co. 5
Potash Shipments Delayed 54
Paint Technology at A.C.S. Meet... 31
Phelps Dodge Copper Sulphate Unit to Open 26
Pa. Salt, Amer. Cyanamid Form Bauxite Company 26
Pitts. Paint Technicians Meet 57
Penn. Oil Parley Held 57
Phila. Paint Club Funds Scholarship 30C
Phillip Bros. Adds to Staff 30D
Resin Shortage Discussed 30C
Strategic Mining Profits Tax Repeal Sought 26
Searle Personnel Changes Made 52
Schneider Heads Chicago Paint Technicians 57
Soybean Ass'n Asks Larger Output of Domestic Oils, Fats 3
Sterling Products Decree Defended. 3
Subcontracting Group Formed 4
Sales in July 4
Tiona Petroleum Elects Schmitt... 53
U. S. Revenue Returns: August 30D
Wilson, Osgood Named to OPM 53
Wood Preservative Specifications Revised 30D
Woodward Joins Penick 52

General Features

Advertisers' Index 59
Bids Wanted 4
Chemical Price Trends 4
Classified Advertisements 58
Closing Market Developments 4
Contracts Awarded —
Corporation Earnings 58
Defense Materials Price Trend... 4
Dividends Declared —
Editorials 24
Foreign Trade Openings —
Foreign Trade Rules 57
Industrial Uses of Chemicals 38
Obituaries 30A
OPD Forum —
OPD Price Index 4
Prices Current 7
Scientific, Professional Services... 54
Trade News Briefs 30D, 53
Washington Talks It Over 5
What You Can Use 41
Where You Can Sell 38

Market Reports

Botanical Drugs, Spices, Gums... 49
Coaltar Chemicals 30
Drugs and Fine Chemicals 43
Dyestuffs, Textile and Leather Chemicals 29
Essential Oils and Aromatics 51
Fertilizer Materials 55
Heavy Chemicals 26
Oils, Fats and Waxes 39
Paint, Varnish and Lacquer Materials 33
Petroleum Products 53

Shipping Information

Cargo Ship Arrivals —
Charters —
Coastwise Shipments 58
Exports 58
Imports 57
Imports Detained 58

Chemical Price Trend Not Ceiled

Another important price ceiling was erected last week in the markets for chemicals and related materials. Still others are being made ready. But, the preponderance of boosts continued among price changes, and there is sound basis for a conclusion that some prices, because of uncontrollable influences, will go through any ceiling or roof that is put over them. The influences at work, however, appear largely to be of a less irresistible sort; they are scattered too much to be fundamental.

Business acquired more unilateralness in the direction of defense demands; more because of shrinkings of supplies otherwise applicable than by reason of increased defense buying. The markets were in a quandary over the new survey of priorities performances and the trend toward official allocations to replace individual petitionings. Resellers were becoming less in evidence—more cagey, so to speak.

Prices were advanced on carbon bisulphide, barium carbonate, soda orthosilicate, USP lactic acid, resale tartaric acid, iron blues, chrome colors, red toners, stearates, several edible oils and fats, blackstrap molasses, gum turpentine, dark grades of gum rosin, some copals and dammars, Singapore gambier, oils of vetiver, lemongrass, and pineneedles, buchu, rhubarb, dried blood, and menhaden scrap futures.

Prices were reduced on aluminum ingots, linseed, hemlock, and spruce oils, ipecac, gentian, medium and pale grades of gum rosin, cocoa butter, and cottonseed meal in the Southeast.

The result of the changes is shown in the *OPD Price Index* at the top of the column on the left.

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A.C.S. Divisional Officers Appointed

The American Chemical Society has pointed divisional officers. The chairman and secretary of various divisions of chemistry are:—

Agricultural and food: Chairman, Ellery H. Harvey, 987 Ridgewood drive, Highland Park, Ill.; secretary, Roger H. Lueck, Research Department, American Can Company, Maywood, Ill.

Analytical and micro: Chairman, George L. Royer, Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J.; secretary, Francis W. Power, S. J., Fordham University, New York.

Biological: Chairman, Dr. B. H. Nicolet, Riverdale, Md.; secretary, Erwin Brand, College of Physicians and Surgeons, Columbia University.

Cellulose: Chairman, Elwin E. Harris, Forest Products Laboratory, Madison, Wis.; secretary, Charles R. Fordyce, 275 Maplewood Drive, Rochester, N. Y.

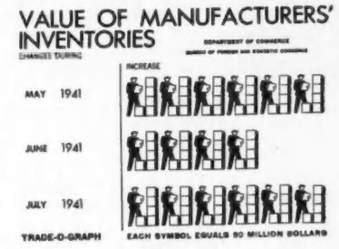
Chemical education: Chairman: F. E. Brown, Chemistry Department, Iowa State College, Ames, Iowa; secretary, Paul H. Fall, Hiram College, Hiram, Ohio.

Colloid: Chairman, Fredrich Olson,

—Continued on page 54

Sales in July

Sales of manufacturers, wholesalers, and retailers in July this year ran well ahead of the values for the corresponding month of 1940. Exports had a downward trend. Inventories



were above 1940 levels in all divisions at July 31.

Comparisons with 1940 of interest in the chemical and related industries follow:—

Manufacturers' Shipments

	July.
Chemicals and allied products	+48.2
Paper and allied products	+28.9
Petroleum refining	+36.9
Rubber products	+71.3
Textile mill products	+83.9

Manufacturers' Inventories

	July 31.
Chemicals and allied products	+ 7.3
Paper and allied products	+ 8.0
Petroleum refining	+ 4.0
Rubber products	+21.1
Textile mill products	+16.3

Wholesalers' Sales

	July.
Drugs and druggists' sundries	+22.0
Industrial chemicals	+42.0
Paints and varnishes	+31.0
Petroleum	+46.0

Wholesalers' Inventories

	July 31.
Drugs and druggists' sundries	+ 9.0
Industrial chemicals	+22.0
Paints and varnishes	+15.0
Petroleum	+26.0

Exports

	July.
Coaltar chemicals	—20.1
Explosives, fuses, etc.	—15.3
Gas and fuel oils	—41.2
Industrial chemicals	—18.2
Lard	+227.5
Lubricating oil	—16.1
Medicinal products	+27.4
Motor fuels	—24.7
Naval stores	—31.3
Petroleum, crude	—51.9
Pigments	+ 1.8

Retail Sales

	July.
Drug stores, independents	+14.0
Chains	+12.3
Inventories (July 31)	+ 4.7
Filling stations, independent	+17.0

N.Y. Production Club To Meet October 2

Major Peter Rodyenko, of the United States Army, internationally-known camouflage expert, will be guest speaker at the October 2 meeting of the New York Paint and Varnish Production Club to be held in the Building Trade Employers' Association building, 2 Park avenue, this city. Majro Rodyenko's topic will be "Modern Protective Concealment for Civilian Establishments." The club is urging executive officers of all member firms to be present to hear the talk on this timely subject.

A.C.S. Board Opposes Unionizing of Members

Taking cognizance of efforts to induce or compel chemists and chemical engineers to join labor organizations in order to obtain or retain employment in certain plants, the board of directors of the American Chemical Society, in order that the position of the society may not be misunderstood, has issued a statement in which it sets forth the following points:—

The society has taken no stand against "collective bargaining" for professional men when such bargaining is not controlled by nonprofessional groups and where the bargaining unit is composed exclusively of professional men.

The society condemns no one of its members for joining any non-coercive labor union so long as he does so voluntarily.

The society, however, is unalterably opposed to the forcible inclusion of professional men in bargaining units dominated and controlled by nonprofessional employees, whether that inclusion be brought about by economic pressure upon an employer, by intimidation of the professional employee, or by operation of either State or Federal law.

The society will bend every effort to maintain for all its members the "right to work" and the "right to employment and promotion" on the basis of worth and merit.

The A.C.S. board records its opposition to affiliation of its members with any organization that conditions promotions primarily on the basis of "seniority" or that insists that they join any labor organization where they would be in a minority, with no power to protect themselves while paying "protection" thereto as an essential to the privilege of earning a livelihood and with their wage scales negotiated by those whose selfish interest would require that benefits be sought for the larger number of nonprofessional workers to the detriment of the relatively few professional employees.

Power Alcohol Tests Have Satisfactory Results

OPD Washington Bureau
September 25, 1941

Extensive tests made by experts of the National Bureau of Standards show that alcohol blended with gasoline makes a satisfactory fuel for automobiles, acording to an announcement by the Department of Commerce. Such blends are being used in several foreign countries and have been used over a consilerable period of time. For example, Japan, in order to conserve gasoline for other uses, now requiries that 20 perecnt of alcohol be blended with gasoline for use as automobile fuel.

One serious difficulty connected with the substitution of a percentage of alcohol for gasoline in the United States is that alcohol costs very much more to produce than gasoline under present conditions. This is not true in certain foreign countries, where a gallon of gasoline costs considerably more than the same quantity of alcohol.

However, the tests conducted by the Bureau of Standards, some of which were made under normal operating conditions on the highways in cooperation with the American Automobile Association, satisfied both government and industrial experts of the feasibility, from a purely engineering standpoint, of blending alcohol and gasoline if and when future developments require such action. The economic factor of cost did not enter into the tests.

—Continued on page 46

C.D. Prickett Retires From Hercules Powder

C. D. Prickett will retire as vice-president and a member of the directorate of the Hercules Powder Company, Wilmington, October 1. Mr. Prickett has been with this company since its formation in 1913, when he was put in charge of black powder operations. In 1923 he became a director and assistant general manager of Hercules, and a few months later was elected a vice-president. Mr. Prickett was named to the finance and executive committees in 1928 on which he served for a number of years.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The Priorities Division of OPM is preparing to get tough with violators and is going to make public examples of a few big firms.

A lot of priority bootlegging has been going on, as well as a general disregard for allocation orders and preference ratings. Newspapers are beginning to print stories about it, and OPM is on the warpath. The compliance branch is hiring a lot of inspectors and opening new field offices, and in addition has enlisted the aid of field agents of the Bureau of the Census, FTC, Treasury Procurement Division, and Wage-Hour Administration. All priority orders are now mandatory, backed by a recent law which provides heavy penalties for violation, and in addition OPM can cut violators off from all supplies.

Many types of priority violation are extant, such as using materials for purposes other than those stated in the preference rating, obtaining more material than is needed and bootlegging the excess, building inventories, and denying supplies to purchasers without preference ratings when no preference ratings are required. Some real crackdowns are promised.

Price Control Theories

Barney Baruch, price-fixer extraordinary in World War 1, tells Congress it should freeze all prices at once. Leon Henderson, heir-apparent to the job, says this is too much work. He says it is enough to put ceilings on seventy-five to a hundred basic raw materials and not have to bother with the prices of golf balls, hairpins, and fishhooks. He won't say just what would be on his list of seventy-five or a hundred, but it's easy to guess. They would be the commodities that go into the important price indexes and those which are basic raw materials for making hundreds of other things. Congress hasn't decided which theory to adopt, but its present inclination is to look on price control as an evil of which the less the better.

Chemical Price-Fixing

Price ceiling orders on a long list of chemicals are being worked up by OPA, and many will be issued as soon as the legal formalities can be carried through. If OPA had a few more typists, several would have been out before this. Whether or not the whole list will be issued depends on how the market reacts to those already outstanding.

Chemical Chiselers Elusive

Those second-hand chemicals racketeers and price high-jackers that OPA says are responsible for disruption of spot markets are proving hard to catch. Legitimate dealers cooperate with OPA investigators, but the suspects tell them nothing. New evidence that some of them are Nazi tools is said to have been uncovered to show that a lot of stuff is being bought for export, through devious ways, to blacklisted Nazi firms south of the border. As a result, OPA is checking closely with the Office of Export Control, now a part of V.-P. Wallace's Economic Defense Board, and is clamping down on export licenses.

But this doesn't solve the problem of denying supplies to fly-by-night chemical brokers, whether Nazis or just the domestic variety of profiteers, nor of getting stocks away from them at reasonable prices. Sometimes a mandatory government purchase order can be placed. Where a commodity is under full priority allocation control and a price ceiling, the government can channel it where it wants to. Unless some better way is found to prevent hoarding and speculating, a lot of chemicals are going to be placed under mandatory control whether they are actually scarce or not.

Arnold on 'Drug Trust'

Thurman Arnold makes a pretty good defense of his antitrust division's procedure in handling the consent decree in the Sterling Products-German dye trust Latin American tieup (see page 3). He must have been pretty nettled over the widely circulated stories that the decree was a "whitewash" of Sterling, or else he wouldn't have issued this "whitewash" of himself. But his statement leaves unanswered some of the more intriguing questions that have been asked, such as the intervention of ex-New Dealer Tommy Corcoran.

Also, all published statements and the decree itself refer only to pre-1939 contracts with I. G. for dividing up world markets and no mention is made of suspicions that through such contracts the Nazis have been evading our export license control law and have been supplying their markets from the United States and obtaining valuable foreign exchange in Latin America. But when the D. of J. announced it was going after Sterling it was generally understood that it was looking for examples of just such international skulduggery, not simply trying to void decade-old distribution contracts applicable in normal peacetimes.

Embuttered Farmers

The fifty-year fight between butter and oleomargarin has culminated in the introduction of legislation designed to outlaw the sale of butter substitutes (page 3). In reaching this point the dairy interests have maneuvered themselves into an almost comical position. It all comes about because the Food and Drug Administration set standards for margarin. FDA thought the butter people would welcome a move to make their competitors meet higher standards, and the funny thing is that they did —until they realized how good margarin has become. Now they are complaining bitterly, but they can't find any solution.

Attorneys for the dairymen sat through all the hearings on margarin standards and never raised an objection nor offered evidence. They didn't object when the tentative standard was published nor when it went into effect. Then the Consumers Counsel of the Department of Agriculture made a radio broadcast extolling the improved virtues of margarin, and the storm broke. The dairymen asked FDA for a rehearing, but admitted they couldn't product any additional material evidence. They went to court to have the standard set aside, but as yet they have not been able to convince the court that the standard was not established as required by law. They are now besieging Paul McNutt, head of FSA, of which FDA is a part, but their arguments sound ludicrous to him.

Dairymen's Dilemma

The FDA standard makes all margarin makers follow the methods used by several before it was established. Repeal of the standard wouldn't help the butterers any because oleo manufacturers could adhere to it voluntarily anyway, as some did before. The food, drug, and cosmetic act can't be used to set maximum standards of quality and so force margarin makers to market such a poor product that nobody will buy it. The dairymen squawk because the standard permits the use of diacetyl, a flavoring material which makes margarin taste like butter, and the addition of vitamins also found in butter—but both were added by some manufacturers before the standard was established. They want some sort

—Continued on page 30C

New Drug Applicant Indicted for Fraud

OPD Washington Bureau
September 24, 1941

An indictment charging fraud in the filing of applications for a new drug under the food, drug, and cosmetic act, was handed down yesterday against Theo Clements, New York. Mr. Clements, had been engaged by Johnson & Gordon, a partnership, to find out if a skin medicine which it desired to put on the market was harmful, and if not, to obtain certificates under the act permitting its sale in interstate commerce.

The indictment charged that Mr. Clements had filed an application for the sale of a skin medicine with the Federal Security Agency together with an affidavit of Dr. Bertha Meine, a pathologist attached to Philadelphia Women's Hospital, purporting to show that the medicine was harmless. This affidavit, the indictment charged, had been altered by substituting in the document pages stating that the preparation was harmless, for the original pages which showed that Dr. Meine had found that the medicine contained a combination of orthonitrophenol and paranitrophenol which was destructive of the tissues of the liver. In addition, it was charged, Mr. Clements had removed from the affidavit photographs showing the effect of the medicine on the livers of rabbits and had substituted other pictures.

The names of the medicines for which the applications were filed, according to the indictment, were "Floraphen Lotion," "Floraphen Tincture," and "Floraphen Ointment." The case was presented to the grand jury by Assistant United States Attorney John H. Mitchell, following several months of investigation of the complaint which had been filed by the Federal Security Agency. It is the first such indictment which has been returned since the food, drug, and cosmetic act became law.

Export Control Office Opened in New Orleans

OPD Washington Bureau
September 22, 1941

Brig. Gen. Russell L. Maxwell, Administrator of Export Control, has announced the opening of field office in New Orleans. In addition to the office in New Orleans, field offices are maintained in New York, San Francisco, and Los Angeles.

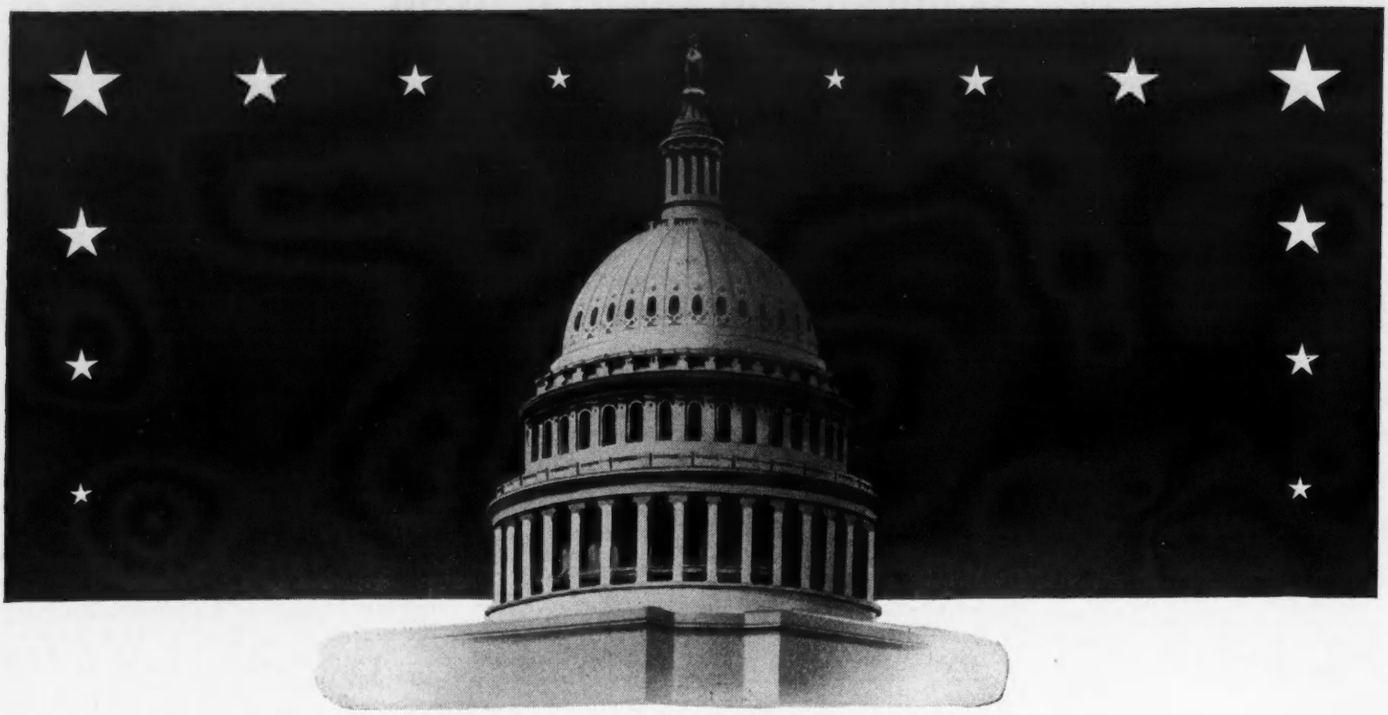
Technical Data Export Control Is Shifted

OPD Washington Bureau
September 22, 1941

Brig. Gen. Russell L. Maxwell, Administrator of Export Control, has issued Export Schedule B, removing from the list of articles, materials and designs named in Proclamation No. 2465 technical data comprising the following categories: "Application for patent or for the registration of a utility model, industrial design, or model in respect of any invention made in the United States." The effect of the new schedule is to transfer the licensing of exports of such articles from the Office of the Administrator of Export Control to the United States Commissioner of Patents. It was pointed out that it will remain the function of the Office of the Administrator of Export Control to license exportation of technical data relating to inventions made outside of the United States, as well as certain categories of technical information such as drawings, blueprints, manuals, etc.

Manganese, Mica Deals With India Negotiated

Negotiations for the purchase of manganese and mica from India for the United States defense program were reported to have been completed by Henry F. Grady, President Roosevelt's special economic representative in the Far East. Mr. Grady is scheduled to visit Colombo where he will endeavor to secure supplies of graphite.



To Chemical Buyers of the Nation

Material shortages and delays arising from the National Defense Program and the war abroad are affecting more and more industries every day.

Every effort is being made by Mallinckrodt to keep supplies moving as promptly and completely as possible to the trade but it is increasingly evident that all of us must proceed, for a while at least, with reduced quantities of certain materials.

One way that every user of chemicals can help his country and his company to avoid waste and perhaps irreplaceable loss is to make sure that every shipment received is carefully handled and stored, even though for a short time, under conditions that avoid breakage, spoilage, and contamination.

To help insure instant use when needed in your operations, the Mallinckrodt Chemical Works offers its experience of nearly 75 years in supplying information to help avoid deterioration, etc., caused by improper handling and storage conditions.

Any user is welcome to this information on any item in our list which covers over 1500 fine chemicals including Iodides, Ethers, Bismuth Salts, Salicylates, Bromides, Mercury Salts, Stearates, Silver Salts, Nutgall derivatives and many others.

Write Chemical Storage Dept., 2nd & Mallinckrodt Sts., St. Louis, Mo.

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Current Market Quotations

September 26, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED SEP 29 1941 LIBRARY THE CHEMISTS' CLUB

Defense Status of Materials

Application of SPAB regulations to materials listed below is indicated by superior figures as follows:—[1] Price Ceiling; [2] Price Suggestion or Agreement; [3] Full Priority Control; [4] Inventory Control; [5] General Limitation Order; [6] Critical List (Army and Navy Munitions Board).

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP,[3,6] dms., c.l., dlvd..lb. .08½- .09½
l.c.l., dlvd.....lb. .09 - .10
tanks, dlvd.....lb. .07 - .08
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —
Acid, abietic, dms., o..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs.....100 lbs. 3.68 - 3.93
56%, bbls.....100 lbs. 5.18 - 5.43
cbys., cs.....100 lbs. 5.68 - 5.93
70%, bbls.....100 lbs. 6.19 - 6.44
cbys., cs.....100 lbs. 6.69 - 6.94
80%, bbls.....100 lbs. 6.91 - 7.16
cbys., cs.....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 8.30 - 8.55
cbys. .....100 lbs. 8.80 - 9.05
tanks .....100 lbs. 7.25 -10.00
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 90.5%, al. dms..100 lbs. 8.43 - 8.68
tanks .....100 lbs. 6.25 - —
USP XI, al. dms...100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 4.23 - 4.48
cbys., cs.....100 lbs. 4.73 - 4.98
36%, bbls.....100 lbs. 4.61 - 4.86
cbys., cs.....100 lbs. 5.11 - 5.36
60%, bbls.....100 lbs. 7.17 - 7.42
cbys., cs.....100 lbs. 7.67 - 7.92
80%, bbls.....100 lbs. 8.70 - 8.95
cbys., cs.....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride,[3] dms., c.l., frt. alld..lb. .11¼- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
Acid, boric, tech., 99.5%, gran., bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher
Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .19¾- .20¼
Caproic, dms., works.....lb. .25 - .30
Caprylic, dms.....lb. .27 Nom.
Castor oil, split, dms.....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works.....lb. .03½- —
single drum.....lb. .04½- —
tanks, works.....lb. .02½- —
Chromic,[2,6] 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr. gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .23½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .16¾- .17¼
Cottonseed oil, dist., dms....lb. .14 - .14½
tanks .....lb. .13½- —
Cresylic (coaltar),[6] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-208°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. No price
Cresylic (petroleum), high-boil (240°-300°), 20 or more dms., works..gal. .61 - —
1-19 dms., works.....gal. .63 - —
tanks, dlvd., East U.S.gal. .59 - —
medium-boil (222°-249°), 20 or more dms., works..gal. .67 - —
1-19 dms., works.....gal. .69 - —
tanks, dlvd., East U.S.gal. .64 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls.....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots.....lb. 1.25 - —
fib. dms., 25 lbs.....lb. 1.29 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .32
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .06 - .06½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Acid, hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¼- .11½
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .50 - .53
USP, VIII, 75%, cbys.....lb. .48 - .51
Lauric, dist., tech., dms....lb. .18¼- .18¾
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .17 - .17½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .22 - —
Oleum (see sulphuric fuming).

Acid, oxalic, dom., bbls., c.l., works..lb. .11½- —
10,000 lbs. or over.....lb. .11½- —
smaller quantities.....lb. .12½- .14½
Palm oil, white, dist., dms..lb. .13¾- .14¼
tanks .....lb. .13¾- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.45 - 1.95
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld.100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld...100 lbs. 6.25 - 7.25
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald...100 lbs. 4.75 - 5.00
cbys., works, frt. equald. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld.100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld...100 lbs. 8.00 - 9.50
tankcars, works, frt. equald...100 lbs. 4.00 - 4.25
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls .....lb. .35 - —
Propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. .....lb. 1.53 - —
USP, cryst., cns.....lb. 2.00 - —
resub., cns.....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l. split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .38
Sebacic, CP, bbls., works....lb. No price
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .17½- .18
Stearic, dist., double pressed, bgs., dlvd..lb. .14½- .15½
single pressed, bgs., dlvd..lb. .13¾- .14¾
triple pressed, bgs., dlvd...lb. .17 - .18
saponif., double pressed, bgs., dlvd...lb. .14½- .15½
triple pressed, bgs., dlvd..lb. .17½- .18¼
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15¾- —
consumers, cbys.....lb. .06 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots.....lb. 1.18 - —
25-lb. lots.....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.08 - —
smaller lots.....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .70½- —
smaller quantities.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —

Adeps Lanae—Bentonite

Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bls.....lb. 2.00 Nom.
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, c.l., f.o.b. Chicago, frt. alld..lb. .10 - —
ton lots, frt. alld.....lb. .12 - —
bgs., same basis.....lb. .13 - .15
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .65 - .75
import. bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.70 - 1.75
powd., dms., bbls.....lb. 1.75 - 1.80
import. cs.....lb. 1.70 - 1.75
Alcohol, amyl (see also Fuse oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .28 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums.....lb. .63 - —
Butyl, normal,[2] dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½ - .12½
tanks, frt. alld.....lb. .10 - .11
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09¼ - —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12¼ - —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 2.80 - 3.40
Denatured,[1,4,5] CD14, dms., c.l., dlvd., E..gal. .38½ - —
l.c.l., dlvd., dms.....gal. .43½ - —
tanks, E., dlvd.....lb. .32½ - —
Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.
Alcohol, SD1 190 pf., bbls., c.l., E. works..gal. .35½ - —
19 bbls., E. works..gal. .37½ - —
1 to 18 bbls., E. works..gal. .40½ - —
dms., c.l., E. works...gal. .33½ - —
19 dms., E. works...gal. .35½ - —
1 to 18 dms.....gal. .38½ - —
tanks, E. works.....gal. .27½ - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½ - —
19 dms., works, E...gal. .32½ - —
1 to 18 dms., works, E. gal. .35½ - —
tanks, E. works.....gal. .24½ - —
SD23G, works, E., c.l., dms., gal. .36½ - —
19 dms.....gal. .38½ - —
1 to 18 dms.....gal. .41½ - —
tanks .....gal. .30½ - —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
SB23H, works, c.l., dms..gal. .34 - —
19 dms.....gal. .36 - —
1 to 18 dms.....gal. .39 - —
tanks .....gal. .28 - —
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½ - .13
l.c.l., dlvd.....lb. .12 - .13½
tanks, dlvd.....lb. .10½ - .12
tech., dms., c.l., dlvd.....lb. .11 - .12
l.c.l., dlvd.....lb. .11½ - .12½
tanks, dlvd.....lb. .10 - .11
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½ - —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½ - —
absolute, dms., c.l.....gal. 6.37½ - —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860 - —
tanks, same terms.....lb. .0760 - —
Isopropyl,[2] refd., 91% dms., 5 gals., f.o.b. dest..gal. .66½ - —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .11¼ - .12
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 4.60 - —
100-lb. kgs.....lb. 4.62 - —
25-lb. fib. dms.....lb. 4.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry L.c.l. rate applying; for truck or ex warehouse deliveries all metropl. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila...100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila...100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila...100 lbs. 4.65 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works...100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
solut., 24%, l.c.l., 10 or over, dlvd..lb. .09½ - —
1 to 9, dlvd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd., lb. .08½ - —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½ - .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290 - —
l.c.l., bbls., works.....lb. .03½ - —
bgs., c.l., works.....lb. .0260 - —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½ - —
bbls., c.l., dlvd.....lb. .14½ - —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½ - —
open order.....lb. .17½ - .20
Palmitate, precip., bbls.....lb. .20½ - .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled, 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%,[2,3,4] c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½ - —
ink, dms., 1,500 lbs....lb. .70½ - —
standard, dms., 1,500 lbs...lb. .37½ - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs.lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs.lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs. for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Trasnportation allowed East of Mississippt.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70
Anhydrous[5], fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration[5], tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .06¼ - —
dms., c.l.....lb. .02½ - —
l.c.l. .....lb. .02½ - —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .42 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .80 - .82
Bifluoride, bbls.....lb. .15½ - .17
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls. lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼ - .09¼
cns., same basis .....lb. .14¼ - —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .13 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .20 Nom.
Hydroxide (see Ammonia, aqua),
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs, dom.....lb. .21 - .23
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08¾ - .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08¾ - .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11¼ - .15
Stearate, anhydrous.....lb. .24½ - —
paste .....lb. .06½ - —
Sulphate[2], dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½ - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½ - —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, C.P., dms....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cshs.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½ - .13½
l.c.l., dlvd.....lb. .13 - .14
tanks, dlvd.....lb. .11½ - .12½
cns., works.....lb. .18 - .19
ex Pentane, dms., c.l., frt. alld..lb. .12½ - —
l.c.l., frt. alld.....lb. .13½ - —
tanks, frt. alld.....lb. .11½ - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caporate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns.....lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.25 - 1.60
cans .....lb. 1.15 - 1.50
Angelica root, dom., bls.....lb. .65 - 1.75
import., natural, bls.....lb. 1.60 - 1.65
Angosturo bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .18½ - .19
Turkish, afloat, bgs.....lb. .33 - .35
Anisic aldehyde, bots.....lb. 2.75 - 2.80
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4,6] spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .17 - .18
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l.....lb. .13 - .15
l.c.l. .....lb. .14½ - .16½
Salt, 66%, dms., dlvd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigments, bgs.....lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .15 - .16
Arecoline hydrobromide, bots..oz 6.00 - 7.25
Argols, twst 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼ - .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.38 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾ - —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N.Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½ - —
smaller lots, f.o.b. plant, lb. .05½ - —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y. ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y...ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western, shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .55 - .60
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.97.00 - —
bbls., same basis..ton.99.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½ - —
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .15 - .17
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.65 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½ - .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bxs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —

Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnesota, Colo..gal. .14 - —
Benzophenone, dms.....lb. 1.00 - 1.10
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., 5lb. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .52 - .55
dms.....lb. .48 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .85 - 1.10
dms.....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.65 - 1.75
Benzylidinacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, 5lb. dms.....lb. 2.50 - —
kgs.....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots. lb. 2.86 - —
jars.....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
5lb. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
5lb. dms.....lb. 2.75 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
5lb. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
5lb. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 80-86%, bots...lb. 2.59 - —
bbls., 5lb. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
5lb. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns.....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l.....lb. .17½- —
3, c.l.....lb. .12 - —
l.c.l.....lb. .12½- —
4, c.l.....lb. .11 - —
l.c.l.....lb. .11½- —
5, c.l.....lb. .08½- —
l.c.l.....lb. .09 - —
6, c.l.....lb. .08½- —
l.c.l.....lb. .09 - —
7, c.l.....lb. .11½- —
l.c.l.....lb. .12 - —
8, c.l.....lb. .12½- —
l.c.l.....lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd.....lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd.....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5 ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .84 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½ Nom.
B, bbls., works or N. Y..lb. .05½ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis.....ton.80.00 -95.00
pulp, 55%, bbls., c.l., works, ton.40.00 - —
l.c.l., works.....ton.46.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 4.25 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 4.30 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 4.15 - —
soluble (see Albumen, blood).
Bloodroot, lbs.....lb. .24 - .25
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .85 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .36 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 2.30 - 2.75
Milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .75 - —
regular, same basis, contracts, lb. .54 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Blue, ultramarine, dry or pulp, cobalt grades, bbls., works, frt equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue flag root, bls.....lb. .15 - .20
Blue mass, USP, cns., tube....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.87
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.39.00 -40.00
import, bgs., c.i.f. ports..ton.38.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.39.00 -40.00
import, bgs., c.i.f. ports..ton.37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 -42.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48

Benzaldehyde—Bromstyrol

Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse.....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.46.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Brosmine, purif., ca., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkg., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 2.25 - 4.00

REICHHOLD

SYNTHETIC RESINS

SCIENCE SETS A NEW PACE IN SURFACE COATINGS

LET YOUR MIND FLASH back over the last ten years—think of the innumerable advances that make today's surface coatings a whole new era of accomplishment.

Instantly you are impressed with the force of modern chemistry—the great art of synthesis that chemically re-creates natural products to pre-determined characteristics.

As a world prominent producer of industrial synthetics, Reichhold is a highly respected factor in this great advance. Throughout the surface coating industry, the notable achievements of Reichhold technicians have won the highest credit. And, the marked superiority of its complete line of synthetic resins, processed copals, ester gums and synthetic oils further emphasizes the way it has translated the findings of science in practical, standard raising products for producers of paints, varnishes and lacquers.

REICHHOLD CHEMICALS
INCORPORATED • DETROIT, MICHIGAN

WORLD'S LARGEST PRODUCERS OF SURFACE COATING SYNTHETICS

Bronze Powder—Corn Sugar

Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .90 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Ps. points..lb. .13½ Nom.
2 bbls., same basis....lb. .12½ Nom.
Italian, group 3, bbls., same basis..lb. .11¼ Nom.
4, bbls., same basis....lb. .10 Nom.
5, bbls., same basis....lb. .10 Nom.
6, bbls., same basis....lb. .09½ Nom.
7, bbls., same basis....lb. .09¼ Nom.
8, bbls., same basis....lb. .09 Nom.
9, bbls., same basis....lb. .08½ Nom.
10, bbls., same basis....lb. .08½ Nom.
11, bbls., same basis....lb. .08 Nom.
12, bbls., same basis....lb. .07½ Nom.
13, bbls., same basis....lb. .07¼ Nom.
14, bbls., same basis....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .13¾ Nom.
2, bbls., same basis....lb. .12½ Nom.
3, bbls., same basis....lb. .12¾ Nom.
4, bbls., same basis....lb. .10¾ nom.
5, bbls., same basis....lb. .10¾ Nom.
6, bbls., same basis....lb. .09¾ Nom.
7, bbls., same basis....lb. .10 Nom.
8, bbls., same basis....lb. .08½ Nom.
9, bbls., same basis....lb. .08 Nom.
10, bbls., same basis....lb. .07¼ Nom.
11, bbls., same basis....lb. .06¼ Nom.
Umber, American, bbls., works. lb. .08¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle.....lb. .05¾- —
ex whse. Los Angeles..lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Boston .....lb. .05 - —
Chicago, Indianapolis, New Orleans.....lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¾- —
Vandyke, regular, bbls., c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leavse, bls.....lb. .70 - .72
Buckthorn bark, true, bls....lb. .75 - .80
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate[2], norm., dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½- .12½
tanks, frt. alld.....lb. .10 - .11
tankwagons, frt. alld...lb. .10½- .11½
secondary, dms., c.l., frt. pd. E. of Miss. R...lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comi., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.80
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, [2,4,6] pat., shapes, cs.lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .35 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l. .....lb. .06¾- .07¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equald..lb. .63 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd., ton.20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib dms....
1,000-lb. lots..lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex easel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12¼- —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
Less than 5 tons, same basis. lb. .06½- —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., ton..lb. .26 - —
smaller quantities.....lb. .27 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
60% CaS, bgs., c.l., works.ton.31.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls .....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.10 Nom.
slabs, cs.....lb. 1.10 Nom.
tablets, tins.....lb. 1.20 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots. lb. .63 - —
1,000-lb. lots.....lb. .64 - —
smaller lots.....lb. .65 - —
tablets, 2,000-lb. lots....lb. .76 - —
1,000-lb. lots.....lb. .77 - —
smaller lots.....lb. .78 - —
Monobromate, bulk, 100-lb. lots..lb. 2.40 - —
25 to 50-lb. lots.....lb. 2.50 - —
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs.....lb. .0580-.0600
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 4.50 Nom.
powd., bxs.....lb. 5.50 Nom.
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .98 - 1.00
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R...lb. .05½- —
l.c.l., same basis.....lb. .06¼- —
5-gal. dms., c.l., same basis. lb. .07½- .08
l.c.l., same basis.....lb. .08½- .09
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52¼-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52¼-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52¼-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.10 - 1.15
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .18 - .19
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .28 - .29
5 tons, works.....lb. .28¼- .29¼
smaller lots, works.....lb. .28½- .29½
80-100 mesh, works.....lb. .28½- .29¼
5 tons, works.....lb. .28¾- .29¾
smaller lots, works.....lb. .29 - .30
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .29 - .30
80-100 mesh, bgs., c.l., duty paid..lb. .29½- .30½
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .22 - .22½
No. 1, regular, bls.....lb. .21 - .21½
shortstick, bls.....lb. .19 - .19½
broken, bls.....lb. .18 - .18½
China, buds, bgs.....lb. .17½- .18
Rolls, select, bls.....lb. .16½- .17
broken, extra, bls.....lb. .15½- .16
Saigon, No. 1, 4-10-4, bls...lb. .35 - .35½
10-6-2, bls.....lb. .35¼- .35¾
all thin, bls.....lb. .36 - .37
Cassia fistula, bskts.....lb. .18 - .19
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y..long ton.68.00 - —
Oil (see Oil, castor).
Pomace, dom., 6¼% ammon., bgs., c.l., works..ton.15.50 -16.00
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .95 - .98
Indian .....lb. .62 - .63
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (33.5% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
medium, (15.5 or 17.0%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (31.5% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs...lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works., ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -23.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .92 - —
100 lbs.....lb. .98 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .33 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine,[5,6] liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y....lb. .06¾- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 2.35 - —
2, works, frt. equald., 100 lbs. 2.75 - —
1, works, frt., equald., 100 lbs. 3.25 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .30 - —
100-lb. cyls., frt. alld.....lb. .35 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 8¼%, cs., bbls.....lb. No price
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .99 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs..oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., 1 and 5-lb. bots.....lb. 3.55 - 3.60
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .26 - .27
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronella, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Zanzibar .....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08¼- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80¼- —
Carbonate, powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8¼%, bbls.....lb. .28 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13¾- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
2½%, cobalt oxide, bbls....lb. .17¼- —
precip., dms., dlvd.....lb. .31 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .22½- .23
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.36.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .22 - .23
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .19 - .20¼
Chloride, anhyd., bbls.....lb. .19¼- —
cryst. .....lb. .18½- .14¼
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal, [1,3,5] electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 15-50 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - —
l.c.l., dealers.....100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .04¼ Nom.
Coriander, bgs.....lb. .11¼- .12
bleached, bgs.....lb. .12½- .13
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 5.61 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —

Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .14 - .15
Cottonseed, hull ash, 32-36% potash, bgs., dlvd..unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.39.50 - —
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .30 - .65
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't.lb. .57½- —
smaller lots, bbls.....lb .58 - —
kgs. .....lb. .58½- —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Fine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
Cresol,[6] USP, dms., c.l., works. lb. .10½- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l.....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .22 - .24
Cumin seed, Morocco, bgs.....lb. .19 - .19½
Cyprus, bgs.....lb. .18¾- .19¼
Indian, bgs.....lb. .17¾- .18¾
Persian, bgs.....lb. .18½- .19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
Pump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .60 - .65
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Desertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08¼- .08¾
neutral, dom., bbls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
import, Algerian, bgs., c.l., c.l.f. ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate,[5] dms., c.l., dlvd.lb. .19 - .20
l.c.l., dlvd.....lb. .19½- .20½
tanks, dlvd.....lb. .18 - .19
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .28 - —
Diethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l. .....lb. .20½- —
tanks .....lb. .19 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .43
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08½- .09¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .34 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .59 - .61
tanks .....gal. .51 - —
dest., dist., dms.....gal. .55 - .58
tanks .....gal. .48 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.43.00 - —
Venezuelan .....ton.47.00 - —
Doggrass root, imp. cut, NF, bls. lb. .88 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C green, No. 1, cns. lb.13.50 - —

Corrosive Sublimate—Dyes

Dyes, coaltar (certified colors), for foods, drugs and cosmetics:— ...56
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.05 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 5.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 7.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —

STAUFFER CHEMICALS

CARBON BISULPHIDE

and

SILICON TETRACHLORIDE
STRIPPER, TEXTILE

BORAX
BORIC ACID
CARBON TETRACHLORIDE
CAUSTIC SODA
CITRIC ACID
CREAM OF TARTAR
LIQUID CHLORINE
SULPHUR
SULPHURIC ACID
SULPHUR CHLORIDE
TARTARIC ACID
TITANIUM TETRACHLORIDE
WHITING

PACIFIC COAST PRODUCTS

SULPHATE OF ALUMINA : COPPERAS : COMMERCIAL MURIATIC ACID
COMMERCIAL NITRIC ACID : NITRATE OF POTASH : SUPERPHOSPHATE

Stauffer

Stauffer Chemical Co.

420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

Dyes—Gum Copal

Dyes, coaltar (certified colors) for drugs and cosmetics.
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns...lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.35 - —
Ext. D&C red, No. 6.....lb. 7.35 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .60
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .65
328 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
362 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42
465 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .16
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .26 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .90

Black:—
865 Nigrosin derivatives..lb. .58 - .62

Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —

Brown:—
Brown .....lb. 1.15 - —

Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —

Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
745 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin.....lb. .38 - .44

Blue:—
860 Indulin.....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —

Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow 3S...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellars' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
.054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
251 Bismarck brown G....lb. .42 - .57
332 Bismarck brown R....lb. .42 - .57
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.65 - —
1078 Alizarin cyanin green.lb. 2.35 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
81 Amidonaphthol red G..lb. .42 - —
87 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
185 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M....lb. .68 - —
877 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
655 Acid violet 4BN.....lb. .68 - —

Yellow:—
10 Naphthol yellow S....lb. .88 - —
188 Metanil yellow.....lb. .58 - —
836 Fast light yellow.....lb. 1.25 - —
839 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. .92 - .95
imported .....lb. .83 - .85
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.34.00 - 28.50
Ephedra, bls.....lb. .12 - .18
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
100 ozs.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .65 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-ozs. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal...100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.00 - 2.10
Eserine, bots.....oz.50.00 - 72.00
Salicylate, bots.....oz.42.00 - 45.00
Sulphate, bots.....oz.42.00 - 45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work...lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .58
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .08½- .09½
l.c.l., frt. alld.....lb. .09 - .10
tanks, frt. alld.....lb. .07½- .08½
95-98%, dms., c.l., frt. alld.lb. .08¾- .09¾
l.c.l., frt. alld.....lb. .09¼- .10¼
tanks, frt. alld.....lb. .07¾- .08¾
NF, 390-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14 - .15
Aceloacetate, dms., c.l., wks.lb. .29½- —
l.c.l., dms., works....lb. .30 - —
Benzoate, bots.....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oenanthate, dms.....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .25 - —
Oxyhydrate, bots.....gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks.....lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 4.75 - 6.00
5-lb. lots, cns.....lb. 4.80 - 6.05
1-lb. lots, cns.....lb. 4.95 - 6.15
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol, dms., c.l....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16¼- —
l.c.l., works.....lb. .17¼- .20½
tanks, works.....lb. .15½- —
monoethylether, dms., c.l., works..lb. .14¼- —
l.c.l., works.....lb. .15¼- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works.....lb. .11½- —
l.c.l., dms.....lb. .12¼- .15½
tanks, works.....lb. .10¼- —
Monomethylether, dms., c.l., works..lb. .15¼- —
l.c.l., works.....lb. .16¼- —
tanks, works.....lb. .14¼- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. 1.15 - 1.25
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 2.00 - 2.10
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works..ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .11 - .11½
Indian, bags.....lb. .09 - .09½
French, bgs .....lb. No stocks
German, large, bgs.....lb. No stocks
Roumanian, bgs.....lb. .11½- .12
Fenugreek, seed, bgs.....lb. .06¾- .07¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works...lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works...lb. .15 - —
Fir balsam, Canada, cns....gal.16.50 -17.00
Oregon. bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .36 - .37
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 4.75 & .10
meal, bgs., f.o.b. Balto.....ton.66.00 - —
6-7% ammon., 8% phosphor. acid, bulk, Chesapeake Bay factories, contracts.....unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, French, black, bgs...lb. .85 - .90
Indian, blonde, bgs.....lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines.. net ton.32.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines.net ton.22.00 -23.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.22.00 -23.00
imported, 85.5, duty paid, short. No prices
Formaldehyde,[1,2,3,4] bbls., c.l., works..lb. .0550- .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks .....lb. .04 - .04¼
Formaldehyde prices are under 4¼c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms. contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .32 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2..lb. .15 - —
No. 3..lb. .12½- —

G

G salt. bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .09 Nom.
plantation, cases.....lb. .12 Nom.
cubes, Singapore, cases..lb. .10½- .11
extract, bbls.....lb. .09¾- .12
Gasoline[5] at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .07½- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .06¾- .06½
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05¾- .06¾
natural, 18-55, tanks.....gal. .05¼- —
26-70, tanks.....gal. .04½- —
Gelatin, silver, cs.....lb. .80 - 1.00
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .70 - .75
grd., bbls., bxs.....lb. .72 - .77
powd., bbls., bxs.....lb. .74 - .79
Geraniol, 92-96%, cns., dms...lb. 2.35 - 2.50
other grades, cns., dms...lb. 1.50 - 2.25
soap, cns., dms.....lb. .90 - 1.35
Ginger, African, No. 1, bgs....lb. .30 - .32
Cochin, bgs.....lb. .30 - .31
Jamaica, bold, bgs.....lb. .42 Nom.
medium, bgs.....lb. .40 - .41
grinding, bright, bgs....lb. .39 - .40
Ginseng root, wild Southern, lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.28
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. East or Midwest....lb. .16 Nom.
l.c.l. .....lb. .16½ Nom.
36/58, c.l.....lb. .15½ Nom.
l.c.l. .....lb. .16 Nom.
58/82, c.l.....lb. .17 Nom.
l.c.l. .....lb. .17½ Nom.
82/108, c.l.....lb. .17½ Nom.
l.c.l. .....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd. East or Midwest..lb. .19 Nom.
l.c.l. .....lb. .19½ Nom.
60/164, c.l.....lb. .19½ Nom.
l.c.l. .....lb. .21 Nom.
67/122, c.l.....lb. .21½ Nom.
l.c.l. .....lb. .22 Nom.
75/222, c.l.....lb. .24½ Nom.
l.c.l. .....lb. .25½ Nom.
68/251, c.l.....lb. .24½ Nom.
l.c.l. .....lb. .26½ Nom.
92/283, c.l.....lb. .26½ Nom.
l.c.l. .....lb. .27½ Nom.
102/315, c.l.....lb. .27½ Nom.
l.c.l. .....lb. .28 Nom.
113/347, c.l.....lb. .28 Nom.
l.c.l. .....lb. .29 Nom.
Glue, hide, calcimine type, 123/379, c.l.....lb. .29 Nom.
l.c.l. .....lb. .30 Nom.
Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .21½- .22
dms., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd.....lb. .20 - .25
tanks, dlvd.....lb. .19¾- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .19¾- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .19¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .20½ Nom.
l.c.l., same basis..lb. .21½ Nom.
tanks .....lb. .20 Nom.
refiners, dms., returnable, tanks, dlvd..lb. .19 Nom.
soaplye, basis 80%, dms., returnable, tanks, dlvd..lb. .18 Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, both..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .19 - .19½
Goldenseal, root, bls.....lb. 3.50 - 3.60
powd., bxs.....lb. 3.75 - 3.85
Grains of paradise, bgs.....lb. .38 - .40
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07½- —
l.c.l., works.....lb. .07½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03½- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house.....lb. .03½- —
white .....lb. .09 - —
yellow .....lb. .03½- —
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
6-10%, bbls., same basis.lb. .24 - —
11-15%, bbls., same basis.lb. .25 - —
16-20%, bbls., same basis.lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .32 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .08½- —
9-10%, bbls., same basis.lb. .07¼- —
11-13%, bbls., same basis.lb. .07¾- —
14-16%, bbls., same basis.lb. .08 - —
17-19%, bbls., same basis.lb. .08¼- —
20-21%, bbls., same basis.lb. .08½- —
22-23%, bbls., same basis.lb. .08¾- —
24-25%, bbls., same basis.lb. .09 - —
26-27%, bbls., same basis.lb. .09¼- —
28-29%, bbls., same basis.lb. .09¾- —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .11¾- —
34-35%, bbls., same basis.lb. .12¾- —
36-40%, bbls., same basis.lb. .14¾- —
41-45%, bbls., same basis.lb. .16¾- —
46-50%, bbls., same basis.lb. .17¼- —
51-55%, bbls., same basis.lb. .17¾- —
56-60%, bbls., same basis.lb. .18¼- —
61-65%, bbls., same basis.lb. .18¾- —
66-70%, bbls., same basis.lb. .19¾- —
71-75%, bbls., same basis.lb. .20¾- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .28
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Tunstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .80 - .85
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .64 - .68
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.35
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .24½- .25
white, sorts, 1, bgs.....lb. .45 Nom.
powd., bbls.....lb. .27 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .24 - .25
Camphor (see C).
Chicle, prime, 33% moisture, bxs., ton lots..lb. .40 - 49
Copal, Congo, 1, water white transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .39½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .34½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —

Gum, copal, Congo, 10, rescraped hard amber bold, bgs., c.l., same basis..lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
25, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .08¾- —
Batu, bold scraped, bgs....lb. .11¼- —
unscraped, bgs..lb. .10¼- —
chips, bgs..lb. .07¼- —
dust, bgs..lb. .07 - —
nubs and chips, bgs..lb. .07¼- —
black, bold, scraped, bgs..lb. .12½- —
unscraped, bgs..lb. .08 - —
nubs and chips, bgs..lb. .07¾- —
Hiroe, Macassar, pale bold, bgs..lb. .15¾- —
chips, bgs..lb. .10¼- —
dust bgs..lb. .07 - —
nubs, bgs..lb. .12¾- —
Singapore, Rasak, bold, bgs., lb. .23¾- —
chips, bgs..lb. .12¾- —
dust, bgs..lb. .07 - —
nubs, bgs..lb. .17¾- —
Manila, Boeas, amber and dark, bskts..lb. .14 - —
light, bskts..lb. .15⅝- —
Loba A, bskts..lb. .14½- —
B, bskts..lb. .14¼- —
C, bskts..lb. .13¾- —
CNE, bskts..lb. .10¼- —
D, bskts..lb. .13¼- —
DK, bskts..lb. .10 - —
dust, bskts..lb. .07¾- —
Sambas and white split chips, bskts..lb. .16⅝- —
Singapore, dust, bskts..lb. .07¾- —
Spirit-soluble, CBB, bskts., lb. .13½- —
DBB, bskts..lb. .12¼- —
MA, bskts..lb. .10¼- —
MB, bskts..lb. .09¾- —
WS, bskts..lb. .12¼- —
Philippine, Manila, amber sorts, bskts..lb. .10⅝- —
chips, pale, bskts..lb. .13½- —
pale, small, bskts..lb. .11⅝- —
extra pale, sorts, bskts..lb. .13¼- —
nubs, bskts..lb. .14¼- —
scraped, bskts..lb. .15½- —
seeds and dust, bskts..lb. .09¼- —
Pontianak, bold, genuine, bgs., lb. .22⅞- —
mixed, bgs..lb. .17⅞- —
split, bgs..lb. .19⅝- —
chips, bgs..lb. .12⅞- —
nubs, bgs..lb. .18¼- —
Dammar, Batavia, A, cs., same basis as copal..lb. .33¾- —
A/C, cs..lb. .29¼- —
A/D, cs..lb. .26⅝- —
A/E, cs..lb. .23¾- —
B, cs..lb. .32½- —
C, cs..lb. .26¾- —
D, cs..lb. .23⅝- —
dust, cs..lb. .12¾- —
E, cs..lb. .16¾- —
F, cs..lb. .13 - —
Singapore, 1, cs..lb. .28⅝- —
2, cs..lb. .23¼- —
3, cs..lb. .12¾- —
chips, cs..lb. .21½- —
dust, cs..lb. .12⅜- —
seeds, cs..lb. .15⅝- —
Elemi, cns, same basis as copal..lb. .08⅞- —
Ester, ordinary, c.l., dms., contract, dlvd. New Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .07½- .09
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08 - .09¼
Pacific Coast (water shipt.)..lb. .07½- .10
Other points..lb. .07¾- .10¼

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs..lb. .'0 - .55
Galbanum, cs..lb. 1.40 - 1.50
Gamboge, pipe, cs..lb. .95 - 1.00
powd., bbls..lb. 1.05 - 1.10
Ghatti, soluble, bgs..lb. .11 - .15
superior, bgs..lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms..lb. .14 - .33
Kauri, brown, XXX, cs., c.i..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis..lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins..lb. No prices
Kino, tins..lb. No prices
Locust bean, powd., bbls....lb. 1.40 Nom.
Mastic, cs..lb. 2.50 - 2.60
Myrrh, USP, cs..lb. .50 - .55
Olibanum, siftings, cs..lb. .09 - .10
tears, cs..lb .20 - .25
Opium (see O.).
Rosin (see R).
Sandarac, cks..lb. .88 - .89
Scammony, cs..lb. 1.10 - 1.75
Talba, bgs..lb. .14 Nom.
Thus, bbls..280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.25 - 3.40
2 cs..lb. 2.70 - 2.80
3 cs..lb. 1.10 - 1.20
Yacca, bgs..lb. .06½- .07¾

Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock....ton. No price

H

Hawthorn berries, bgs..lb. .45 - .46
Heliotropin, cryst., cns..lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls..lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
No. 4..lb. .26 - —
No. 5..lb. .24 - —
paste, bxs, No. 1..lb. .14½- —
No. 2..lb. .13½- —
No. 3..lb. .12½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works..lb. .03¾- —
tanks, works..lb. .03 - —
Hempseed, Manchur, bgs..lb. .09 - .09½
Henbane leaves, bbls..lb. 3.40 Nom.
Henna leaves, bls..lb. .27 - .28
powd., bbls., bxs..lb. .30 - .31
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3..gal. .16 - —
tanks, Group 3..gal. .09 - —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3..gal. .17 - —
tanks, Group 3..gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol)
Hexamethylenetetramine,[3,5,9] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,500 lbs., shipments, same basis..lb. .35 - —
USP. dms., 500 lbs. or more, shipments, same basis..lb. .33 - —
fib. ctns., same basis..lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3.. gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.90 - 3.00
Hops, N.F., bls..lb. .20 - .21
Horehound, bls..lb. .11 - .13
Hydrangea root, bls..lb. .08 - .09
Hydrastine, bots, 4 oz...oz.15.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 oz.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works...lb. .30 - —
fib. ctns., works..lb. .40 - —
Hydrogen peroxide, USP, bbls.,lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.25 Nom.
Hyoscine hydrobromide, bots.grn. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2..lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2..lb. .19 - —

I

Iceland moss, bls..lb. .25 - .27
Ichthyol (see Ammonium).
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Inland..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 2.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.25 - —
Ipecac root, bgs.....lb. 1.70 - 1.75
powd., bxs.....lb. 1.75 - 1.80
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
dms., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .02 - —
l.c.l., dlvd.....lb. .04 - —
Iron, chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07¼- —
kegs.....lb. .08¼- —
solut. cbys., works, frt. alld. or equald..lb. .06¼- .07
dms.....lb. .07¼- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .56 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms..lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26¼
Isobutyl acetate, 55-gal. dms., works...lb.0690 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .35 - —
Isophorone, dms., works.....lb. .35 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .35 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .35 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .37 - .43
powd., bbls, bxs.....lb. .42 - .53
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .70 - .90

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene[2] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0530- —
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04½- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅝- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.11.65 -11.75
Middlewestern, trcs....100 lbs.11.20 -11.30
Neutral, trcs.....100 lbs.12.25 -12.50
Western, choice, trcs..100 lbs.11.30 -11.40
Compound, trcs.....100 lbs.15.50 -15.75
Larkspur seed, bgs.....lb. 4.00 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .58 - .59
Portuguese, bls.....lb. .22½- .23½
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .83 - .85
select, bls.....lb. .93 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¼
Arsenate, bgs., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .06¾- —
l.c.l., dlvd. E.....lb. .07 - —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —

Gum Copal—Lime

Lead, blue, basic sulphate, bbls., l.c.l., dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N.M., Ore., Utah, Wash., Wyo..lb. .07¼- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 98% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0835- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .09¾- —
smaller lots, Ala., etc. lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, dlvd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09¼- —
95% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .13¼- —
Resinate, fused, 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. .0650- —
smaller lots.....lb. .0701- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo,..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., dlvd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers.....lb. .11¼- —
painters.....lb. .13¼- —

Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 6.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Manomines, Mich....ton. 6.50 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.18.00 - —

Lime—Monosodiumphos.

Lime, chemical (quicklime), lump or pebble, f.o.b. Rippleмead, Va..ton 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 8.50 - —
Springfield, Mo....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Wash.....ton. 8.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Rippleмead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 3.00 - 3.50
90%, cns.....lb. 4.00 - 4.50
92%, cns.....lb. 5.50 - 6.20
Linden flowers, with leaves, bls.lb. .70 - .75
without leaves, bls.....lb. .65 Nom.
Linseed, meal, bgs.....ton.32.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
dlvd., other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala.lb. .08¼- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¼- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.95 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05½- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05¾- —
smaller lots.....lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.

Liverwort, leaves, bls.....lb. .55 - .60
Lobelia, herb, bls.....lb. .35 - .37
Seed, bgs.....lb. .40 - .45
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 5.50 - 6.50

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .26
Magnesia, arsenate, dms.....lb. .78 - .80
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07¾- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .06¼- —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
Zone 2, l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .15 Nom.
Stearate, bbls., ctns., 1 ton..lb. .31 - —
smaller lots.....lb. .33 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk., c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 Nom.
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .14 - .15
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works...ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.65 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works, lb. .10½- —
single, bbls., works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .85 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 Nom.
Tunisan, bls.....lb. .32 - .33
Chilean .....lb. .12 - .12½
Menthol, natural, Chinese, cs..lb. 6.75 - 7.00
Japanese, cs.....lb. 6.75 - 7.00
synthetic, USP, cs.....lb. No prices
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Mercury, cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in.....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol,[3,5,6] natural, producer group A, denat., grade tanks, gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .75 Nom.
99%, dms.....gal. .60 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld. east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld.....gal. .36½- —
3, frt. alld.....gal. .35½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld. or dlvd..gal. .44½- —
3, dlvd., S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- —
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss. R.....lb. .08 - .10
l.c.l., dlvd. E. of Miss. R..lb. .07½- .09½
W. of Miss. R.....lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis.....gal. .81 - —
l.c.l., same basis...gal. .86 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic tanks, Zone 1—gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.
dms., c.l., Zone 1.....gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .54½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Methyl, chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns..lb. 2.75 - 3.05
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1, quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l.....lb. .05 - —
paper, wall or coated, c.l..lb. .04¾- —
l.c.l.....lb. .04¾- —
rubber, c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
biotite, c.l.....lb. .03½- —
l.c.l.....lb. .04 - —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .11½- —
l.c.l.....lb. .12½- —
spray, bbls., c.l.....lb. .11½- —
l.c.l.....lb. .12½- —
unskimmed, roller, bbls., c.l., lb. .27½- —
l.c.l.....lb. .27¾- .28
spray, bbls., c.l.....lb. .27½- —
l.c.l.....lb. .27¾- .28
Millet seed, yellow, bgs.....lb. .02½- .02¾
early fortune, bgs.....lb. .0230- .0250
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .12½- —
f.o.b. Gulf ports.....gal. .12 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l. wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).

Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs.....oz. 10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots..oz. 30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16 - .16½
yellow, bgs.....lb. .12¼- .13
Chinese, yellow, bgs.....lb. .08¼- .08¾
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27½- .28
Dutch yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .08 - .08½
Roumanian, yellow.....lb. .14½- .15

Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[6] crude, dom., 74 deg., tanks, works...100 lbs. 2.25 - —
78 deg., tanks, works..100 lbs. 2.50 - —
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works, lb. .06 - —
50-lb. cs., same basis....lb. .08¼- —
pkgs. (16 oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.35 - 1.50
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton. 16.00 - —
Nitrobenzene, dhl. dist., dms., c.l., lb. .06 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —

Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks., lb. .29 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

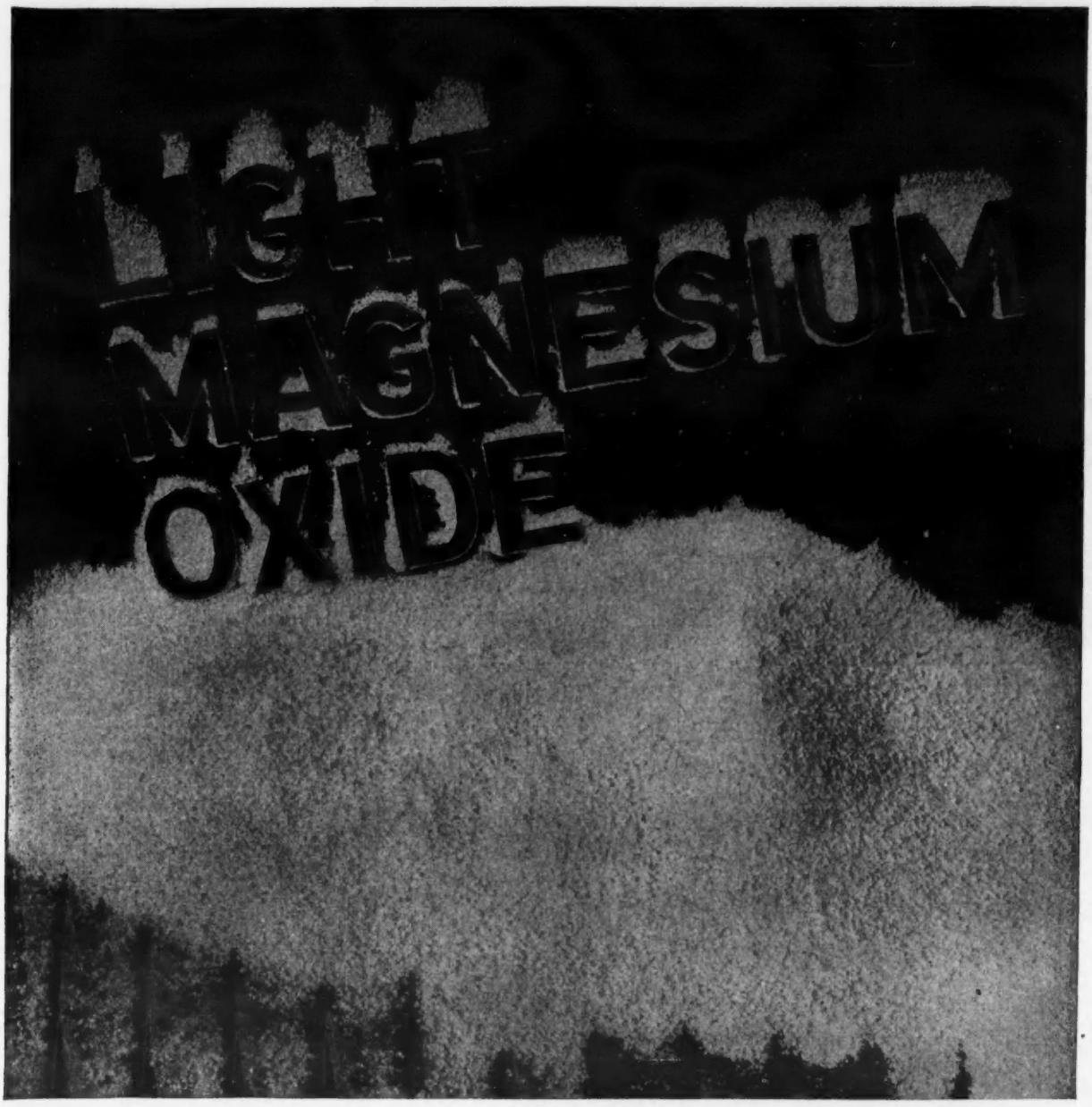
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.21 38- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., dlvd..unit-ton. 2.23 Nom.
f.o.b. Chemical, Ill..unit-ton. 2.25 Nom.
f.o.b. East Coast producing points..unit-ton. 2.75 - 3.00
Import, bgs., c. i. f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26

Morphine—Oil, Juniper

Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz....lb. No prices
Chinese .....lb. .30 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .17 - .17½
small, grinding, bgs.....lb. .15 - .15½
West Indian, bgs.....lb. .14 - .14½
Nux Vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. 8, gal. .15 - —
l.c.l., G.8.....gal. .27 - —
10 gals., G.8.....gal. .55 - —
tanks, G.8.....gal. .12½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 1.80 - 1.85
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.75 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 1.15 - 1.35
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .80 - .90
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-60% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb. 20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - —
Bois de Rose, Brazil, cns....lb. 3.65 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .82 - 1.10
USP IX, cns.....lb. .84 - 1.25
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .29 - .30
dms. .....lb. .27 - .29
white, cns.....lb. .32 - .33
dms. .....lb. .30 - .31
Cananga, native, cns.....lb. 10.00 -11.00
rectified, cns.....lb. 11.00 -12.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 5.50
Caraway, USP, cns.....lb. 12.00 -12.50
Cardamom, bots.....lb. 25.50 -35.00
Cassia, USP, cns.....lb. 6.00 - 6.25
Castor, blown, one-way dms., c.l..lb. .14 - —
l.c.l. .....lb. .14¾- —
lb. .13 - —
l.c.l. .....lb. .13¾- —
cns. (1-gal.), l.c.l.....lb. .16½- —
dms. (returnable), c.l...lb. .12½- —
l.c.l. .....lb. .13¼- —
(5-gal.), l.c.l. .....lb. .14½- —
tanks .....lb. .11¾- —
dehydrated, dms., c.l.....lb. .1690- —
l.c.l. .....lb. .1730- —
tanks .....lb. .16 - —
extracted No. 3, tech., bbls., c.l..lb. .12¾- —
l.c.l. .....lb. .13¾- —
dms. (returnable), c.l.....lb. .12¼- —
l.c.l. .....lb. .12¼- —
tanks .....lb. .11½- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
75% (63% fat), dms., c.l..lb. .10½- —
l.c.l. .....lb. .11½- —
80% (68% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —
Cedarleaf, cs.....lb. 1.03 - 1.35
dms. .....lb. 1.00 - 1.35
Cedarwood, Southern, cns....lb. .32 - .33
dms. .....lb. .30 - .31
Celery, bots.....lb. 30.00 -35.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .35¾ Nom.
tanks .....lb. .34¼ Nom.
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. 1.00 - 1.20
Citronella, Ceylon, cns.....lb. 1.05 Nom.
dms. .....lb. 1.00 Nom.
Java, cns., dms.....lb. .85 - .98
Clove, makers, USP, cns....lb. 1.35 - 1.40
dms. .....lb. 1.30 - .135
Coconut, Manila, crude, tanks, lb. .07⅝ Nom.
edible, 76°, ref. dms., c.l..lb. .13¼ Nom.
l.c.l. .....lb. .13⅝- .14¼
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., U.S.P., bbls.bbl. .85 - .90
Coriander, bots.....lb. 26.00 -30.00
Corn, crude, tanks, works....lb. .13 Nom.
ref'd., bbls.....lb. .16 Nom.
Cottonseed, cooking, bbls....lb. .16 - —
salad, bbls.....lb. .16¼- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.40 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb. 12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 6.50 - 6.75
weed, bots.....lb. 5.75 - 6.00
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.35
Eucalyptus, cns.....lb. .68 - .73
dms. .....lb. .65 - .70
Fennel, sweet, cns.....lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 16.00 - —
Bourbon, cns.....lb. 16.00- —
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .90
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 12.00 -20.00
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Halibut liver, ref., dms....gal. 38.50 - —
Hemlock, cns.....lb. .93 - 1.15
Juniper, berry, cns.....lb. 15.00 - —
wood, tech., cns.....lb. No stocks



POSSESSING excellent characteristics, the Technical and U.S.P. Grades of Witco Magnesium Oxide are widely preferred in many formulations. Users find that Witco Magnesias assure the properties desired for their products. This high quality is made possible by unusual care in manufacture. If you employ Magnesium Oxide in your processes, Wishnick-Tumpeer will gladly cooperate with you in selecting the most suitable grade.

WISHNICK-TUMPEER, INC.

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New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company Panhandle Carbon Company • Foreign Office, London, England

Oil, Juniper Tar—Olivine

Oil, juniper tar, USP XI, dms. lb. .72 - .95
Lard, common, 1, bbls. lb. .13 - —
2, bbls. lb. .12¾- —
extra, bbls. lb. .13¾- —
1, bbls. lb. .13¼- —
Winter, strained, bbls. lb. .14 - —
prime, burning, bbls. lb. .14½- —
prime, ined., bbls. lb. .14¼- —
Laurel, bots. lb. 5.00 Nom.
Lavandin, cns., 25 lbs. lb. No stocks
Lavender flower, French, 50% ester, cns. lb. No prices
38-42% ester, cns. lb. 10.00 -10.25
35-38% ester, cns. lb. No prices
30-32% ester, cns. lb. No prices
garden, cns. lb. .65 - .70
spike, Spanish, tech., cns. lb. 2.70 - 3.00
dms. lb. 2.60 - 2.90
Lemon, Calif., cns. lb. 3.25 - —
Messina, coppers, cns. lb. 5.50 - 6.50
Terpeneless, Type 1. lb. 16.75 -17.00
Type 2. lb. 8.50 -15.00
Lemongrass, native, cns., dms. lb. 2.00 - 2.25
Lime, dist., cns. lb. 6.50 - 7.50
expressed, cns. lb. 12.50 Nom.
Terpeneless lb. 46.50 -78.00
Linaloe, wood, cns. lb. 3.50 - 3.75
Linseed, raw, dms., c.l. lb. .1130- .1150
l.c.l., 10 to 99 lb. .1150- —
5 to 9 lb. .1190- —
less than 5 lb. .1210- —
tanks lb. .1040- .1060
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots. lb. 85.00 - —

Oil, lubricating, at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks. gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .19½- .24½
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks. gal. .12¼- .17⅝
200-280 vis., 3, 15-25 pour, tanks. gal. .12 - .14¼
Pennsylvania[3], bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks. gal. .25 - .30½
cylinder oils, 600-630 flash, tanks. gal. .15 - .17½
600 - 650 steam ref'd, tanks. gal. .15 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks. gal. .31 - .38¼
200 vis., 0-25 pour, tanks, gal. .33 - .40
Mace, dist., cns., dms. lb. 2.15 - 2.65
Mandarin, Brazilian, cns. lb. 8.00 - —
Italian, coppers lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto. gal. .58½ Nom.
ref'd alkali, dms. lb. .1220 Nom.
kettle-bodied, dms. lb. .1320 Nom.
light-pressed, dms. lb. .1120 Nom.
tanks lb. .1000 Nom.
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots. lb. 9.50 -10.00

Oil, neatsfoot[6], 20° cold test, bbls. lb. No prices
extra, bbls. lb. .13½- —
1, bbls. lb. .13¼- —
prime, bbls. lb. .14 - —
pure, bbls. lb. .17¾- —
Neroli, bots. lb. 200.00 -375.00
Nutmeg, dist., cans, dms. lb. 2.15 - 2.65
Oiticica, liquid, dms. lb. .22 - .22½
tanks lb. .21½- .22
Oleo, 1, bbls. lb. .11¾- —
2, bbls. lb. .12½- —
Olibanum, bots. lb. 5.00 - 5.25
Olive, denat., dms. gal. 3.85 - 4.00
edible, Calif., dms. gal. 4.75 - 5.00
imported, dms. gal. 5.25 - 5.50
foots, dms. lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices
75% (63% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices
80% (68% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices
Orange, sweet, dist., cs. lb. 1.60 - —
expressed, Calif., cns. lb. 3.00 - —
Brazilian, cns. lb. 2.85 - 3.10
Florida, cns. lb. 2.85 - 2.90
Messina, USP, coppers. lb. 8.00 Nom.
West Indies, cns. lb. 4.75 - 6.00
terpeneless lb. 35.00 -175.00
Origanum, cs. lb. 2.30 - 2.40
Palm, Niger, dms. lb. .08½ Nom.
Sumatra, tanks. lb. .07¾ Nom.
distant, ship't, bulk. lb. .05 Nom.
Palmarosa, cns. lb. 3.25 - 3.50

Oil, paraffin, 320° flash, 60-70 vis., tanks, G. S. gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S. gal. .05½- —
80-85 vis., bbls., extra, ind. refy. gal. .12 - —
100-105 vis., bbls., extra, ind. refy. gal. .14 - —
300° flash, 100-110 vis., tanks, G. S. gal. .05¾- —
Patchouli, bots., cns. lb. 5.25 - 6.25
Peanut, crude, tanks. lb. .13 Nom.
refd., edible, bbls. lb. .16¼ Nom.
Pennyroyal, dom., cns. lb. 2.50 - 2.65
import, cns. lb. 2.40 - 2.75
Peppermint, natural, cns., dms. lb. 3.60 - 3.90
redist., USP, cns., dms. lb. 3.95 - 4.15
Perilla, dms. lb. .22½- .23
tanks lb. .21½- —
Petitgrain, Paraguay, cns. lb. 1.70 - 1.75
dms. lb. 1.65 - 1.70
Pimento berry, cns. lb. 4.25 - 8.50
leaf, cns. lb. 2.25 - 2.75
Pine, dest.dist., straw-color, dms., dlvd., E. ports. gal. .65 - —
steam-dist., dms. gal. .65 - .68
Pineneedle, Siberian, cns. lb. 2.25 - 2.30
Putty, bbls., E. Segundo, Richmond, Cal. gal. .20½- —
contracts gal. .19½- —
Whiting, Ind. gal. .25 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis gal. .27 - —
tanks, same basis gal. .18 - —
Martinez, Cal. gal. .20 - —
Rapeseed, tax incl., dms. lb. .15½- .15⅝
tax not incl., tanks. lb. .10 - —
blown, dms. lb. .17½ Nom.
Red, dist., or saponif., dms., dlvd. lb. .12 - .13
tanks, dlvd. lb. .11¼- —
West coast prices one cent higher.
Rose, synth., bots. lb. 4.00 -60.00
natural, coppers oz. 16.75 -20.00
Rosemary, Spanish, cns. lb. .88 - 1.05
dms. lb. .85 - 1.00
Rosin, 1st rectified, dms. gal. .48 - —
2d rectified, dms. gal. .50 - —
3d rectified, dms. gal. .54 - —
Rue, bots. lb. 7.25 - —
Sage, cns. lb. 2.10 - 2.20
Sandalwood, domestic, distilled, USP, cns. lb. 4.65 - 5.00
Mysore, cns., case lots. lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst. gal. .60 Nom.
refd., alkali, dms. lb. .1220 Nom.
kettle-bodied, dms. lb. .1320 Nom.
light-pressed, dms. lb. .1120 Nom.
tanks lb. .1000 Nom.
Sassafras, artif., cns. lb. .78 - 1.30
dms. lb. No prices
natural, dom., cns., dms. lb. 1.05 - 1.20
Savin, cns. lb. No stocks
Savory, cns. lb. No stocks
Seal, tanks. gal. .72 - —
Shark, tanks. gal. .71 - —
Shark liver, crude, dms. million vitamin units. .10 - —
Shingle stains, bbls., c.l., works. gal. .19 - —
l.c.l., works gal. .20 - —
tanks, works gal. .14 - —
Snakeroot, Canada, cns. lb. 8.50 -10.00
Soybean, dom., crude, dms. lb. .12¼ Nom.
tanks lb. .11½- Nom.
refd., dms. lb. .13½- Nom.
tanks lb. .12¾ Nom.
Spearmint, dms. lb. 2.55 - 2.80
Sperm, bleach, 38°, dms. lb. .1270- —
45°, dms. lb. .1290- —
natural, dms. lb. .1150- —
Spruce, cns., dms. lb. .93 - 1.15
Sweet, birch, North, cns. lb. 2.50 - 3.25
South, cns. lb. 1.60 - 1.75
Tall crude, dms., c.l., works. ton. 40.00 - —
l.c.l., works ton. 45.00 -50.00
tanks, works ton. 30.00 - —
distilled, dms., c.l., dlvd. lb. .05½- .07
l.c.l., dlvd. lb. .06½- .03¼
tanks, dlvd. lb. .05 - .06¾
refined, dms., c.l., works. lb. .04 - —
l.c.l., works lb. .04½- —
tanks, works lb. .03½- —
Tallow, acidless, bbls. lb. .13 - —
tanks lb. .12½- —
Tansy, cns. lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities. gal. .28 - —
E. ports, c.l. gal. .27½- —
l.c.l. gal. .31 - —
tanks, dlvd. E. cities gal. .21 - —
reotfd., USP, bbls., l.c.l., dlvd. E. ports. gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms. lb. .27 Nom.
refined, dms. lb. .29 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns. lb. 1.85 - 2.25
white, cns. lb. 1.95 - 2.25
Tung (see Oil, Chinawood).
Ti tree, cns. lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns. gal. 8.50 - —
Vetiver, Java, bots. lb. 15.00 Nom.
Whale, ref., natural, dms. lb. .1070 Nom.
winter, bleach, dms. lb. .1110 Nom.
Wheat germ, cns., dms. gal. 17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms. gal. .41 - .49
65-75 vis., dms. gal. .42 - .50
80-90 vis., dms. gal. .43 - .52
USP, 80-90 vis., dms. gal. .45 - .54
95-105 vis., dms. gal. .50½- .59⅛
125-135 vis., dms. gal. .56 - .63
140-150 vis., dms. gal. .58 - .69
175-185 vis., dms. gal. .61½- .70½
200-210 vis., dms. gal. .64½- .73⅛
320-330 vis., dms. gal. .72 - .81
335-345 vis., dms. gal. .73 - .82
Russian, 80-90 vis., dms. gal. No prices
145-155 vis., dms. gal. No prices
175-185 vis., dms. gal. No prices
335-345 vis., dms. gal. No prices
Wintergreen, natural, North, cns. lb. 4.75 - 6.00
South, cns. lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. lb. 2.20 - 2.70
Wormwood, cns. lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots. lb. 35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis ton. 7.00 - —
Spalls, same basis ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works ton. 8.00 - —
paper bags, c.l., wks. ton. 9.50 - —
ground, 325 mesh, c.l., mines. ton. 20.00 - —
200 mesh, c.l., mines ton. 17.00 - —
100 mesh, c.l., mines ton. 15.00 - —
20 mesh to dust ton. 12.00 - —

American AROMATICS OF *Exceptional* QUALITY

AMERICAN manufactured Aromatic Chemicals . . . of exceptionally fine quality . . . are available to fulfill your requirements.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetics.

Our line of pure aromatic chemicals is being steadily augmented and will allow the American perfumer to produce for the American Public a line of interesting perfumes of infinite variety.

Among the leading items produced are:

ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

PRODUCT GL 4C—A non-toxic wetting agent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

COLLORESIN—Replaces Gum Tragacanth satisfactorily.

INDOL

The following raw materials also of Domestic Manufacture have proven themselves in the Soap and Perfume industry. The rapid rise in their sale indicates their value.

CYCLAMAL • CITRONAL • FLORANOL • ROSEFOLIA

100% Pure—Soap fast—Free from irritation. Will not discolor.

Requests for samples on your firm's letterhead will be promptly answered.

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644 PACIFIC STREET, BROOKLYN, N. Y.
9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES
1019 ELLIOTT STREET, W., WINDSOR, ONT.

Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
5 bbls., divd., other points. lb. .11½- —
smaller lots, divd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12½- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Orange, molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .30 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .10 - .12
Orris root, Florentine, bgs....lb. 2.25 Nom.
fingers, cs.....No stocks
powd., bbls., bxs.....lb. 2.50 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamyiphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniliu, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .23 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2..lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.50 - 3.75
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .28 - .29
Portuguese, fancy, bgs.....lb. .34½- .35½
good, bgs.....lb. .30 - .31
Spanish, extra fancy, cs....lb. .42 - .42½
fancy, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l.....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .06¾ Nom.
bbls., c.l., N. Y.....lb. .06¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .06¼ Nom.
bbls., c.l., N.Y.....lb. .06¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .06 Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570 Nom.
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom.
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom.
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom.
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower. Prices are for contract delivery.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde,[8,9,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd, lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.S, gal. .11 - —
l.c.l., G.S.....gal. .19 - —
tanks, G.S.....gal. .08½- —
laboratory grade, dms., c.l., G.S..gal. .16 - —
l.c.l., G.S.....gal. .27 - —
10 gals., G.S.....gal. .55 - —

Pepper, black, Alleppy, bags..lb. .08¾- .09¼
Lampong, bgs.....lb. .06¼- .06½
Tellicherry, bags.....lb. .08½- .09
white, Java, Muntok, bags..lb. .11 - .11½
Singapore Muntok, bgs.....lb. .10½- .11
Muntok, small berry, bags.lb. .10¾- .10¾
red, chillies, Japan, Moniaka.lb. .27 - .27½
Mombassa, bgs.....lb. .24 - .24½
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .65 - .70
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. 1.35 - 1.40

Petrolatum, amber, dms.....lb. .03½- —
l.c.l.....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l.....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l.....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l.....lb. .07¼- —
snow, dms., c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California.....bbl. .43 - 1.71
Canada.....bbl. 1.08 - 1.70
Central West:—
Illinois.....bbl. 1.37 - —
Ohio.....bbl. 1.05 - 1.10
Michigan.....bbl. 1.17 - 1.44
Indiana.....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.43
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico.....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning.....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .96 - 1.20
South Central and Southwestern Texas..bbl. 1.08 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27

Opium—Pet., Mineral Sp

Petroleum, ether, laboratory grade, 30-60°C, c.l..gal. .16 -
l.c.l.....gal. .27 -
10 gals.....gal. .55 -
35-60°C., l.c.l.....gal. .27 -
10 gals.....gal. .55 -
40-75°C., c.l.....gal. .16 -
l.c.l.....gal. .27 -
10 gals.....gal. .55 -
Petroleum ether prices are spot quotati
f.o.b. Group 3, for material packed in dru
Lacquer, diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 -
San Francisco..gal. .11½-
Willbridge, Ore., Fort Welles, Wash..gal. .12 -
East Coast, N. Y., tanks, gal. .11 -
N. J., tanks.....gal. .11 -
Group 3, toluol type, tanks, gal. .07½-
Benzol type, tanks..gal. .07½-
mineral spirits at refinery, California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10½-
198-230 b.r., tanks...gal. .10½-
246-397 b.r., tanks...gal. .10½-
312-408 b.r., tanks...gal. .09 -
362-458 b.r., tanks...gal. .09 -
East Coast, N. Y., tanks, gal. .09½-
N. J., tanks.....gal. .09½-
Group 3, tanks.....gal. .06½-
Gulf Coast, tanks.....gal. .06½-

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U·S·P·

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Pet. Mineral Spts.—Pot. Cyan.

Petroleum, mineral spirits, tank-wagon:—
Albany ..... gal. .18½- —
Baltimore (100 gals.) .. gal. .14 - —
25-bb gals ..... gal. .16 - —
Boston ..... gal. .11½- —
Bound Brook, North Amboy, N. J. .. gal. .13½- —
Bridgeport, Conn. ..... gal. .11½- —
Buffalo ..... gal. .15½- —
Camden, N. J. ..... gal. .10 - .11½
Chicago ..... gal. .1678- —
Decatur ..... gal. .1810- —
Des Moines ..... gal. .1790- —
Evansville, Ind. ..... gal. .1420- .1580
Milwaukee ..... gal. .1930- —
Minneapolis-St. Paul .. gal. .19½- —
Newark ..... gal. .09½- —
New York (200 gal.) .. gal. .10½- —
Omaha ..... gal. .12½- —
Pittsburgh ..... gal. .11½- .13½
Providence ..... gal. .12 - —
Rochester ..... gal. .12½- —
St. Louis ..... gal. .1470- —
Syracuse ..... gal. .10½- —
Trenton ..... gal. .10½- —
Wilmington, Del. ..... gal. .12½- —

Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks .. gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks .. gal. .06¾- —

Petroleum, naphtha, cleaners', tankwagon, Boston, ex tax .. gal. .12½- —
Bridgeport ..... gal. .13½- —
Chicago, inc. 4c. tax .. gal. .18 - —
Decatur, inc. 4c. tax .. gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax. gal. .15 - .16
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20½- —
Newark, ex tax ..... gal. .10½- —
New York, ex tax .... gal. .11½- —
Omaha, ex tax ..... gal. .1490- .1590
Oklahoma City, ex tax. gal. .16½- —
Philadelphia, ex tax ... gal. .12 - —
St. Louis, inc. 1c. tax. gal. .15½- —
Syracuse, 150 gals. .... gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway .. gal. .21½- —
No. 2, over 90% arom., same basis .. gal. .21½- —
3, same basis ..... gal. .22¼- —
8, tanks, f.o.b. Paulsboro, N. J. .. gal. .19¾- —
30, same basis ..... gal. .20¾- —
40, same basis ..... gal. .21 - —

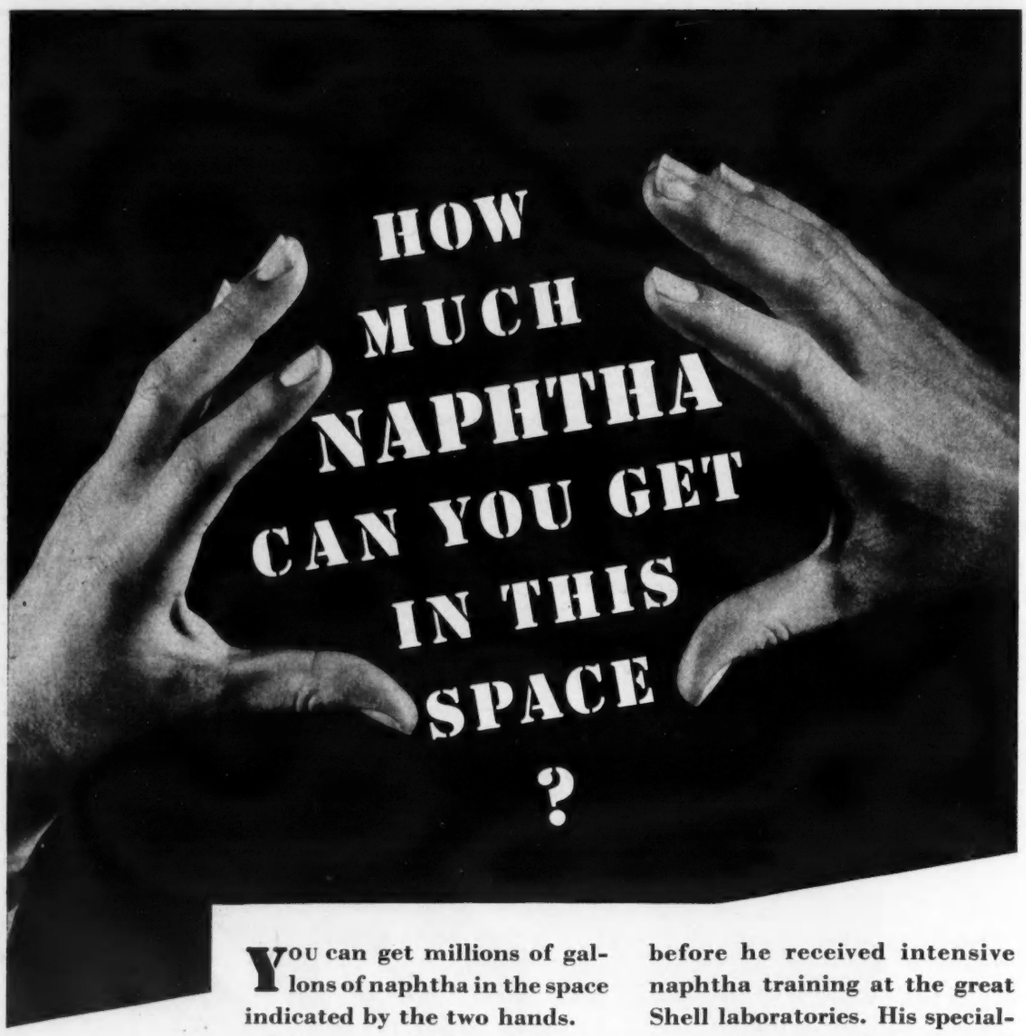
V.M.& P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo .. gal. .11 - —
Richmond ..... gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash .. gal. .12 - —

Petroleum, naphtha, V.M.&P., at refinery:—
54-57, 190 i.b.p., 310 e.p., tanks, divd. Los Angeles .. gal. .10 - —
San Francisco .... gal. .10½- —
Portland, Seattle .. gal. .11 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .07½- —
Gulf Coast (divd. New Orleans), tanks .. gal. .06½- —
tankwagon, Boston, ex tax, gal. .12½- —
Chicago, inc. 4c. tax .. gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax .. gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1630
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20 - —
Newark, ex tax ..... gal. .11½- —
New York, ex tax .... gal. .10½- —
Omaha, ex tax ..... gal. .1490-.1590
Philadelphia, ex tax .. gal. .13 - —
St. Louis, inc. 1c. tax. gal. .1570- —

Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .07½- —

Petroleum, solvent, Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks .. gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks ..... gal. .09½- —
Group 3, tanks ..... gal. .06¾- —
Tankwagon, Boston, ex tax, gal. .11½- —
Chicago, inc. 4c. tax .. gal. .1640- —
Decatur, inc. 4c. tax .. gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax. gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .1820- —
Newark, ex tax ..... gal. .09½- —
New Orleans, ex tax .. gal. .11 - —
New York, ex tax ..... gal. .10½- —
Omaha ..... gal. .1360-.1450
Philadelphia, ex tax ... gal. .13 - —
St. Louis, inc. 1c. tax .. gal. .1340- —
Tulsa, ex tax ..... gal. .10½- .11½

Phenobarbital, 5-lb. bots ..... lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract .. lb. 4.00 - —
25-lb. cns ..... lb. 4.25 - —
Phenol,[2] USP, dms., c.l., works, frt. equsld .. lb. .12½- —
l.c.l., same basis ..... lb. .13¾- —
under 1,000 lbs ..... lb. .14¼- —
tanks, works ..... lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots .. lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Phenolphthalein, yellow, fib. dms., 2,000-lb. lots .. lb. .80 - —
100-lb. fib. dms ..... lb. .82 - —
25-lb. dms ..... lb. .87 - —
50-lb. kgs ..... lb. .84 - —
Phenyl chloride, dms ..... lb. .17 - —
Phenylacetaldehyde, bots ..... lb. 4.00 - 4.10
dimethylacetate, cns ..... lb. 14.50 -15.00
Phenyl ethyl acetate, cns ..... lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots. lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works ..... lb. 1.75 - —
Phlorogiucinol, CP, tins, wks .. lb. 20.00 -22.00
tech., tins, works ..... lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 76% min .. long ton. 5.00 - —
land-pebble, 68% min. long ton. 2.00 - —
70% min ..... long ton. 2.30 - 2.40
72% min ..... long ton. 2.75 - 3.00
74% min ..... long ton. 4.00 - —
Tenn., 72% min ..... long ton. 5.00 - —
75% min ..... long ton. 6.00 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs ..... lb. .40 - .44
yellow, dms ..... lb. .18 - .20
cases ..... lb. .23 - .26
Oxychloride,[3] cyls ..... lb. .15 - .18
Pentoxide, dms., c.l., works .. lb. .11 - .12
l.c.l., dms., works ..... lb. .13 - .14
Sesquisulphide, cs ..... lb. .38 - .42
Trichloride, cyls ..... lb. .15 - .16
Phthalamide, bbls., works, ton .. lb. .35 - —
single, bbls., works .... lb. .40 - —
kgs., works ..... lb. .45 - .50
Phthalic anhydride,[6] bbls., c.l., works, frt. all. E. of Miss. R .. lb. .14½- —
l.c.l., same basis ..... lb. .15½- —
Pichi leaves, bgs ..... lb. .08 - .09
Pilocarpine hydrochloride, bots., vls .. oz. 3.25 - 3.75
Nitrate, bots., vls ..... oz. 3.25 - 3.75
Pimento, Jamaica, bgs ..... lb. .21 - .21½
Mexican (see Allspice, Mexican).
Pinkroot, bls ..... lb. .42 - .45
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works .. ton. 19.00 - —
l.c.l. ..... ton. 22.00 - —
Pitch, hardwood, 1-time dms., c.l., divd. Akron .. ton. 23.75 -24.00
Linseed, dms ..... lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls ..... bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls ... lb. .12 - .13
Podophyllin, dms., divd. E. of Miss .. lb. 5.25 - —
Poke root, bls ..... lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works .. lb. .25 - —
Pomegranate bark, bgs ..... lb. .49 - .50
Root bark, bgs ..... lb. .60 - .65
Poppy flowers, red, bls ..... lb. .70 - .75
Seed, Dutch, bgs ..... lb. .46 - .48
Indian, white, bgs ..... lb. .09¼- .09¾
Turkish, bgs ..... lb. .34½- .35
Potash abietate ..... lb. .08 - —
Acetate, USP, bbls., 250 lbs .. lb. .28 - —
cns., 25 lbs ..... lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs .. lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs .. lb. .15 - —
gran., bbls., 250 lbs ..... lb. .15 - —
Bichromate,[3,5] spots, c.l., works .. lb. .09¾- —
6 casks or 10 bbls., or over, works .. lb. .09¾- —
5 casks or 9 bbls., or less, works .. lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs .. lb. .27 - .31
kgs., 100 lbs ..... lb. .28 - .32
Carbonate, calc., dms., c.l., works .. lb. .06½- —
l.c.l., same basis ..... lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works .. lb. .06½- —
l.c.l., same basis ..... lb. .05¾- —
liquid, dms., c.l., works, frt. alld .. lb. .03 - —
l.c.l., dms., same basis .. lb. .03½- —
tanks, same basis ..... lb. .02¾- —
USP, gran., bbls., 325 lbs. lb. .14 - .16
powd., bbls., 325 lbs ..... lb. .19 - —
kgs., 100 lbs ..... lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works .. lb. .07 - —
import, dms ..... lb. No prices
liquid, 45% basis, dms .. lb. .03½- .03¾
tanks ..... lb. .02½- —
solid, 88-92%, dom., dms., c.l., works .. lb. .06¼- —
l.c.l. ..... lb. .06½- .06¾
import, dms ..... lb. No prices
Chlorate,[3] cryst., kgs ..... lb. .11 Nom.
pwd., kgs ..... lb. .09¾- .10
Chloride, tech., 99%, cryst., bgs., kgs .. lb. .08 Nom.
Chromate,[3,5] kgs ..... lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs .. lb. .33½- —
100-lb. dms ..... lb. .34½- —
50-lb. dms ..... lb. .35½- —
25-lb. dms ..... lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works .. lb. .55 - —
Cyanide, gold, 41% gold, bots., works .. oz. 14.20 -14.95



You can get millions of gallons of naphtha in the space indicated by the two hands.

The space indicated is the head size of one of Shell's Naphtha Technicians. In that head is stored information acquired in *making* millions of gallons of naphthas—information acquired in the *use* of millions of gallons of naphtha.

The owner of the head was an experienced chemical engineer before he received intensive naphtha training at the great Shell laboratories. His specialized training was then matured by long experience in the application of naphthas. His time is entirely devoted to naphthas.

If you believe that two heads are better than one, the Shell Naphtha Technician will be glad to lend you the use of his head without charge. Just call the nearest Shell Office.

SHELL

SHELL NAPHTHAS

Potash, glycerophosphate, 75%, sol,. dms., 1,000-lb. lots, lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
50-lb. lots, cbys. or cns.lb. 1.65 - —
25-lb. lots, cns.....lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports. unit-ton. .80 - —
f.o.b. Carlsbad, N.M.unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.l.f. ports. ton. No prices
Perchlorate,[3] kgs., wks.....lb. .09½- .11
Permanganate,[3] tech., dms., works..lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports..ton.36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fibaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up..lb. .03½- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04¼- —
Imp., Italian.....lb. No prices
Pumice stone packed in barrels is ¼c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.25 - 4.45
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.45 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p), 9% pyrethrins, frt. alld.. bbls..lb. .20 - .21
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .03 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05¾- —
tanks, works.....lb. .05¼- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10½- —
l.c.l., bgs.....lb. .11 - —
Queen of the meadow leaves bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[3,4,5] dom., flasks (76 lbs. net), dlvd., N.Y...flask.192.00 -195.00
Quince seed, bgs.....lb. 1.25 - 1.30
Quinidine, N.F.V., cryst., cns.oz. 1.06 -
powd., precip., cns.....oz. 1.01 -
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine
Quinine, 100 ozs., cns.....oz. .54 - -
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz 1.06 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz .80 - —
Citrate, cns.....oz .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .62 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expense over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .07¾- .08¼
Dutch, bgs.....lb. No stocks
Indian, medium, recleaned, bgs., lb. .07½- .08
Japanese bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots.....lb. .95 - —
kgs., ton lots.....lb. .95 - —
smaller lots.....lb. 1.00 - —

Potash Glycero.—Red, Indian

Red, cadmium, lithopone, light shade, bbls., ton lots..lb. .75 - —
smaller lots.....lb. .80 - —
kgs., ton lots.....lb. .80 - —
smaller lots.....lb. .85 - —
light-medium shade, bbls., ton lots..lb. .80 - —
smaller lots.....lb. .85 - —
kgs., ton lots.....lb. .85 - —
smaller lots.....lb. .90 - —
maroon shades, bbls., ton lots, lb. 1.00 - —
smaller lots.....lb. 1.05 - —
kgs., ton lots.....lb. 1.05 - —
smaller lots.....lb. 1.10 - —
medium shade, bbls., ton lots..lb. .85 - —
smaller lots.....lb. .90 - —
kgs., ton lots.....lb. .90 - —
smaller lots.....lb. .95 - —
Cadmium, lithopone quotations are prices at the works, with frt. alld.
Selenide, bbls., light, works.lb. 2.85 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —

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* R-S (Resin Solvency) the new test to evaluate solvency of synthetic resins in petroleum solvents.

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Red, Iron Oxide—Soapbark

Red, iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls.. same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.15 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .06¼- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Red, Persian, Gulf, oxide, bbls., l.c.l..lb. No prices
Phloxin toner (see Red, Eosin-toner)
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .06¾- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .80
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- —
l.c.l. .....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04¼- —
l.c.l. .....lb. .04¾- —
Toluidin toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Ventian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. Nom.
quicksilver, bbls.....ton. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more. lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .45 - .50
powd., bbls., kgs.....lb. .55 - .60
Riboflavin .....gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43¼- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .16 - .17
Rosin, gum, B, bbls., ex dock..
D, bbls.....100 lbs. 3.05 - —
E, bbls.....100 lbs. 3.09 - —
F, bbls.....100 lbs. 3.09 - —
G, bbls.....100 lbs. 3.07 - —
H, bbls.....100 lbs. 3.02 - —
I, bbls.....100 lbs. 3.02 - —
K, bbls.....100 lbs. 3.02 - —
M, bbls.....100 lbs. 3.17 - —
N, bbls.....100 lbs. 3.20 - —
W. G., bbls.....100 lbs. 3.40 - —
W. W., bbls.....100 lbs. 3.55 - —
X, bbls.....100 lbs. 3.55 - —
Rottenstone, dom., kgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

sabadilla seed, powd., bbls....lb. .22 - .26
saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.45 - 1.50
Safflower, bls.....lb. .35 - .40
saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb. 38.00 - 39.00
Safrol, cns.....lb. 1.25 - 1.50
dms.....lb. No prices
Sage, Dalmatian, garden, bls..lb. 1.50 - 1.55
stainless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. 1.05 - 1.15
Spanish, bls.....lb. .45 - .47
Sago flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .95 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.08 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton. 14.20 - —
l.c.l., bgs., dlvd. N. Y...ton. 16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y...ton. 15.70 - —
l.c.l., dlvd. N. Y.....ton. 18.20 -21.30
Saltcake, dom., bulk, works..ton. 15.00 - —
import, bulk, c.i.f.....ton. 16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons..... 100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo. 175.00 -180.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.25 - 1.30
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N. Y..lb. .37 - .38
dlvd., Boston.....lb. .38 - .39
Chicago .....lb. .38½- .39½
Pacific Coast.....lb. .40½- .41½
rfd., bbls., f.o.b. N. Y....lb. .43 - .44
dlvd., Boston.....lb. .43½- .44½
Chicago .....lb. .44¾- .45¾
Pacific Coast.....lb. .46¾- .47¾
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond 1, cs., lb. .39 - .40
Superfine, bgs., f.o.b. Boston, N. Y..lb. .30 - .31
dlvd., Chicago.....lb. .30½- .31½
Pacific Coast.....lb. .33 - .34
T.N., bgs., f.o.b. Boston, N.Y. lb. .29 - .30
Pacific Coast.....lb. .32½- .33½
dlvd., Chicago.....lb. .29½- .30½
Varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
white, 5-lb. cut, bbls.....gal. 1.70 - 1.75
4½-lb. cut, bbls.....gal. 1.65 - 1.70
4-lb. cut, bbls.....gal. 1.60 - 1.65
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 90-97%, 325 mesh, bgs., c.l., works..ton. 17.00 - —
l.c.l., 2½ tons, works, ton. 19.00 - —
smaller lots, works..ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 19.00 - —
l.c.l., 2½ tons, works, ton. 21.00 - —
smaller lots, works..ton. 25.00 - —
400 mesh, bgs., c.l., works, ton. 30.00 - —
l.c.l., 2½ tons, works, ton. 35.00 - —
smaller lots, works..ton. 38.00 - —
96-98% 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, works..ton. 21.50 - —
smaller lots, works..ton. 25.00 - —
99%, 325 mesh, bgs., c.l., works..ton. 22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works..ton. 25.50 - —
hard-quartz, 99¼%, 325 mesh, bgs., c.l., works..ton. 18.50 - —
l.c.l., works.....ton. 18.50 - —
140 mesh, bgs., c.l., works, ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
50 to 100 ozs.....oz. .33¾- —
Nitrate, 100-oz. bots.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Protelnate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .40 - .45
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .60 - .65
Smalt, black, extra velvet, ctns., lb. .06 - .09
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .16 - .18
powd., bbls.....lb. .16 - .17

USES

LEATHER TANNING: Bating, pickling, tanning. Results in a silkier and tighter grain which is maintained throughout the other steps in leather manufacture.

NITRITE REMOVAL: Following diazotization reactions in the manufacture of dyes and color lakes; in the application of developed colors to textiles and leather.

FIRE RETARDANT: (Ammonium Sulfamate): Textiles, paper and insulation products.

LABORATORY REAGENT: Acidimetric standard; nitrite removal.

WEED KILLING: (Ammonium Sulfamate): Rapid and permanent eradication of many weed pests such as poison ivy, ragweed, Canada thistle.

New low prices and new high purity opens up a wider use for Sulfamic Acid. The properties listed below may suggest applications in your processing. Samples are available for testing.

SULFAMIC ACID (HSO_3NH_2)

White crystalline solid

Melting Point — 205° C.

Molecular weight — 97.1

Non-volatile

Non-hygroscopic

Odorless

PHYSICAL PROPERTIES

Solubility:

Water . . . . 24.2 grams per 100 grams water at 25° C.

Organics . . . . Slightly soluble in alcohol, acetone or ether; moderately soluble in formamide.

Sulfamic Acid is only slightly soluble in concentrated sulfuric acid solutions.

Sulfamate salts are very soluble in water, usually showing much greater solubility than the corresponding sulfates, chlorides, or nitrates. For example, lead sulfamate has a solubility of 218 grams per 100 grams water at 25° C.

CHEMICAL PROPERTIES

1. Aqueous solutions are highly ionized, giving pH values lower than solutions of formic, citric, oxalic or phosphoric acids and approaching pH values of hydrochloric and sulfuric acids.

2. Sulfamic Acid in solution is hydrolyzed at elevated temperatures to ammonium acid sulfate. Solutions of sulfamate salts are resistant to this hydrolysis.

3. Sulfamic Acid reacts instantly with nitrous acid or nitrites, liberating nitrogen.

4. Chlorine, bromine and chlorates oxidize Sulfamic Acid to sulfuric acid, liberating nitrogen. Sulfamic Acid is not oxidized by chromates, permanganates or ferric chloride.

5. Sulfamate salts restrain the precipitation of heavy metals such as silver or gold, upon rendering such solutions alkaline.

6. Sulfamic Acid may be used as a sulfating or sulfonating reagent for certain primary alcohols, phenols or unsaturated compounds.

7. Aldehydes react with the amide group of Sulfamic Acid or its salts.

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON DU PONT DELAWARE

Soda, acetate, anhyd., dms., dlvd., lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works..lb. .39 - .70
Aluminate, white soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09½- .09⅝
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06⅝- —
l.c.l., dms., works.....lb. .07½- .08½
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., dms., works.....lb. .08½- .09½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 -
2 .....100 lbs. 2.50 - -
3 .....100 lbs. 2.75 - -
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - -
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - -
light, 58%, bgs., c.l., works, 100 lbs. 1.03 - 1.06
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., ffb., 4,000 lbs. or more..lb. .46 - —
1,900 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate,[8,5] spot, c.l., wks., lb. .07⅝- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
4 cks. or 9 bbls. or less, works..lb. .07¾- —
Soda, bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber drms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
L.c.l., same zone prices as ammonia process
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works. 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00

Soda, caustic, solid, 76% ammon., process, dms., c.l., works.. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[8,5] spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls, lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms.lb. .14 - .15
importa, 96%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.o.b. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots....lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots..lb. 1.30 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd....100 lbs. 2.25 - —
bbls. same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis....100 lbs. 2.70 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 -
dms., works.....100 lbs. 3.10 - -
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85

Soda Acetate—Soda Pentachlor.

Soda, hyposulphite, pea, less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.40 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.33 - 2.57
Mardelate, 100-lb. dms.....lb. 2.35 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
45 dms. and over, dlvd. N.Y..100 lbs. 4.90 - —
3-14 dms., same basis... 100 lbs. 5.05 - —
1-2 dms., same basis... 100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.50 - —
10 bbls. and over, dlvd., N.Y..lb. 3.30 - —
1-9 bbls., dlvd. N.Y.....lb. 3.55 - —
Molybdate, anhyd., kgs., works. lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - -
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.30.05 - —
200-lb. bgs., same basis, ton.29.35 - —
bulk, same basis.....ton.27.00 - -
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - -
powd., bbls., 10 tons.100 lbs. 3.50 - -
1-9 tons.....100 lbs. 3.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represen. delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd....lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - -
3-14 dms., same basis..lb. 5.60 - -
1- 2 dms., same basis..lb. 5.85 - -
flake, dms., c.l., works.. 100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C...100 lbs. 4.30 - —
1-9 bbls., same basis..100 lbs. 4.55 - —
Oxalate, neut., bbls.....lb. .09½- —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works. lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —

Spot Deliveries

Sodium Hydrosulphite

ZINC SULPHATE . . . NICKEL SULPHATE . . . COPPER CARBONATE
WHITE HEAVY CALCINED MAGNESIA . . . . SODIUM FLUORIDE
WHITE CALCINED MAGNESITE . . . . . SODIUM ACETATE

OTHER SPECIAL PRODUCTS

Distributors for RUFERT CHEMICAL COMPANY

NICKEL FORMATE . . . . ALSO NICKEL CATALYST
NICKEL CARBONATE . . . NICKEL OXIDE . . . ETC.

GOLWYNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK, N. Y. • PHONE LE 2-9740

Soda Phos.—V.M.P. Naphtha

Soda, phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.15 - 7.25
bbls., c.l., works...100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l., wks., 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works.....100 lbs. 3.15 - 3.65
monooasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works..lb. 2.70 - 2.85
l.c.l., works.....100 lbs. 3.10 - 3.60
bbls., c.l., works...100 lbs. 2.90 - 3.05
l.c.l., works.....100 lbs. 3.30 - 3.80
kegs, c.l., works...100 lbs. 3.40 - 3.55
l.c.l., works.....100 lbs. 3.75 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .16
Picramate, kgs.....lb. .60 -
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 -
contracts .....lb. .10 -
smaller lots.....lb. .11½- -
contracts .....lb. .10¼- -
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd 100 lbs. 5.10 - 6.10
5 tons and over same basis.. 100 lbs. 5.35 - 6.25
less than 5 tons same basis, 100 lbs. 5.60 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - 6.30
5 tons and over same basis, 100 lbs. 5.55 - 6.45
less than 5 tons same basis, 100 lbs. 5.80 - 6.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
10 bbls. or over, dlvd. N.Y.C., 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.06 - —
1 to 4, works....100 lbs. 1.20 - —
62°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .12 - .18
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, ex-sicoated, pwd., bbls..lb. .07 - .07¼
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works, 100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.65 - —
less than 5 tons, dlvd 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.80 - 2.85
powd., bbls., c.l.....100 lbs. 2.35 - —
l.c.l., 5 or more...100 lbs. 2.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l. works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - .
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots works.....lb. 15¾- —
Soybean meal, 41%, bgs.....ton. 48.70 Nom.
protein, bgs., c.l. (40,000 lbs.), works..lb. .16 - —
l.c.l., 20,000 lbs., works....lb. .16½- —
100 lbs., works.....lb. .16½- —
smaller lots, works.....lb. .20 - —
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .33 - .35
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago. 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .....lb. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .06½- .09½
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls.....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .45
Stearin, oleo.....lb. .09¾- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 2.00 Nom.
Stramonium leaves, bls.....lb. .32 - .33
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 8 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .66 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Strychnine, arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots .oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .46 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .24 - —
l.c.l., 10 or over.....lb. .25 - —
less than 10.....lb. .26 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's .....ea. 9.46 - —
1,000's .....ea. 72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea. 30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot.....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.35 - —
bbls., c.l. mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
flour, comm'l bgs., c.l., mine.. 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine. 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls. c.l. mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls. c.l., mine.....100 lbs. 2.10 - —
l.c.l. mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l. mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.05 - —
refined, 100%, bgs., frt. alld..100 lbs. 2.40 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Sulphur, dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton. 10.00 - —
20%, bulk, same basis....ton. 12.00 - —
triple, bulk, f.o.b. works....ton. No prices

T

Talc, dom., Calif., 1, c.l.....ton. 20.00 - —
2, c.l.....ton. 17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, c.l..ton. 14.00 -16.00
l.c.l. .....ton. 16.00 -18.00
96-98%, 325 mesh, c.l..ton. 15.00 -17.00
l.c.l. .....ton. 17.00 -19.00
99-99½%, 325 mesh, c.l.... ton. 15.25 -17.25
l.c.l. .....ton. 17.25 -19.25
Talc, dom., N. Y., fibrous, 99.85-99.95%, 325 mesh, c.l..ton. 17.00 -19.00
coarse, off-color, c.l.....ton. 11.00 -13.00
Aluminum, flake type, grd. c.l..ton. 21.00 - —
l.c.l. .....ton. 24.50 - —
Vermont, c.l.....ton. 14.00 - —
l.c.l. .....ton. 15.00 - —
imp., Canadian.....ton. No prices
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow, extra, loose.....lb. .09 - —
special, loose.....lb. .08¾- —
sulphonated, 85% (24% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06¼- —
l.c.l. .....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y., unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi., unit-ton. 3.75 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y., unit-ton. 5.00 & .10
high-grade, bulk, Chicago, unit-ton. 5.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f. ports..unit-ton. 4.65 & .10
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .04¾- .06¾
Tar acid oil, 15%, dms., c.l., works, gal. .22 - .24
l.c.l., same basis....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .29 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.50 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms.....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms.....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 5.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thio Urea, C.P., dms.....lb. .55 - .65
Thorium, nitrate, cs., works....lb. 2.00 - —
Thyme, French, bls.....oz. .70 - .75
Spanish, bls.....oz. .20 - .21
Thymol, cns., 25 lbs.....lb. 2.35 - —
iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[3,4] Straits.....lb. .52 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15½- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons)..lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ½c. per lb. higher than the above.

Toluidin base, distilled, kgs....lb. .94 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol[3], (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bis.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cs.....lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works, lb. .37 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .23 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .03 - —
l.c.l., same basis.....lb. .03½- —
tanks .....lb. .07½- —
Trichloretaylene, dms., c.l., works, frt. alld., Zone 1..lb. .03 - —
l.c.l., same basis....lb. .03¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .03¼- —
l.c.l., same basis.....lb. .03 - —
Zone 3, c.l., works, frt. alld..lb. .03 - —
l.c.l., same basis.....lb. .03½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .03 - —
l.c.l., same basis.....lb. .03½- —

All prices on trichloretrylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:— Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omha., Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl, phosphate,[2] CP, cns., dlvd..lb. .40½- .51¼
dms., c.l., dlvd.....lb. .37½- —
Tech., dms.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .23 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .35 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate[3], dms....lb. .33 - —
Tripoli, air-floated, bgs., c.l., works..ton. 36.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works. ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd.,[2,3] 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .85¼- —
l.c.l., 10 ex dock....gal. .87 - —
5 ex dock.....gal. .89¼- —
wood, dest., dist., dms., dlvd. E. ports..gal. .62 - .65
tanks, dlvd., E. cities...gal. .55 - —
steam-dist., dms., c.l., dlvd.gal. .70 - —
l.c.l., dlvd.....gal. .74 - —
tanks, dlvd.....gal. .74 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton. 80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton. 82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton. 85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton. 90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .13 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports .....ton. 57.40 - —
Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton. 121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .60 - .65
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. No prices
Mexican, tins.....lb. 15.00 Nom.
cuts, tins.....lb. 14.00 Nom.
South American, tins.....lb. No prices
Tahiti, tins.....lb. 5.50 - 6.00
Oleoresin, bots.....lb. No prices
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
1-lb. tins.....lb. 2.30 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .26 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

—Continued on page 37

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Probing Fair Trading

Although nobody, except probably some of the instigators, has any definite knowledge of the aim of the "Drug Trust" probe which went into a more acute phase last week, there is a general idea that fair trade laws are at least one target. The feeling is that there is also a more or less extensive purpose to find some more officially obnoxious trafficking with the imminent enemy.

Those who are mainly interested in the first-mentioned possibility or probability of what it's all about largely seem to have the opinion that any prosecutive looking at fair trade must be motivated by antagonism toward fair trade. There is a prevalent tendency to condemn the antitrust assistant of the Attorney-General as an advocator of the sort of unfair trading which the fair trade laws are designed to eradicate. Seemingly it does not occur to these fair-tradists (distinguished from fair traders) that there might be something about fair trade practices which even the most astute apologist could not square with the letter or the spirit of fair trade laws.

It is one thing to declare that fair trade laws are constitutionally valid, even though there has been a somewhat close division of relevant juridical opinion in that respect; but, who has said, with authority, that the Department of Justice questions the constitutionality of these statutes? In the first place, that question must come up to the Federal courts from the courts of a State; secondly, any test of the Federal enabling act would not require the subpoenaing of associations.

Coying up a principle when practices cloaked therein are attacked is an ancient sophistry. But, it has been worn quite threadbare in antitrust litigation. It is not the validity of State fair trade laws or the Federal enabling statute that is under investigation by Federal grand jury. It is not the legal right of small business to a fair chance of existence. Nothing of fundamental or statutory economics is at stake. The Department of Justice is looking for evidence of the pressure tactics often and widely stated to attend the application of fair trade laws.

Concerning Price Control

Every day it more and more becomes obvious that the only way to make a price ceiling effective is to make it an all-embracing tent—and then make everybody come under and stay under. Putting a ceiling—or a piece of ceiling—here and there, covering one of a thousand commodities, currently critical, results mainly in the skyward price-pushing of other commodities which are essential companions of the ceiled ones in important processes. And sometimes the ceiling is so circumscribed—the 3,000-pound minimum on acetic acid is an example—that the majority of buyers are out in the upheaving.

Some direct control system seems necessary. Tax-trimming consumer purchasing power will not serve the purpose, because that would give those with ready money an unconscionable advantage in buying up whatever they might need or even fancy.

When a price ceiling is put over an industrial material, there should be a minimum quantity to which the control applies. But, this should be proportioned to the greatest good; it is foolish to expect the "little fellows" to be voluntarily benefited.

—O-P-D—

Detax Medicinal Alcohol

The hope was shortlived which surged in the drug trade over the Tydings amendment providing a means of rebating the tax increase on alcohol used for other than beverage purposes. Whether administrative difficulties or faults of construction or both brought about the rejection of the provision, the effect was dampening to those who had seized upon the belief that their years of striving were at last to know success.

It must be admitted that opening tax-free, or reduced-tax, use of alcohol for the manufacture of medicines and foods would burden the revenue officials with a big job. As long as the tax on beverage alcohol is as big as is successively believed practicable, so long will evasion of the tax be attempted; and there is, and always has been, always will be some resulting loss of revenue in addition to curtailment by administrative costs. The officials naturally are not in favor of inviting bigger losses, and the Tydings plan left much to be closely watched.

Furthermore it is to be noted that the Tydings amendment ran head-on into the internal revenue code which requires that distilled spirits produced in a registered distillery may be withdrawn upon the payment of tax, only for use as a beverage. The code also provides that spirits thus produced may not be of more than 159 proof when withdrawn. While the use of such almost 80-percent alcohol in medicines or foods is practicable in many instances, the provision against withdrawal for other than beverage use nullified the purpose of the Tydings amendment, which also was somewhat too general in its reference to nonbeverage use rather than to the specific production of medicines or foods.

Another tax bill will be in Congress before many moons. Hope for an equitable exemption of medicinal alcohol from heavy taxation may then rise again. Hope, like faith, means little, if anything, unless it is implemented by good works. Now is the time for the drug trade to begin to get in its good work. Some have suggested that the taxfree industrial alcohol law be extended to the production of drugs and medicines—a few include flavorings; but to render these unfit for beverage use is difficult—by keeping the alcohol under bond and Federal supervision in the manufacturer's plant until it has been appropriately medicated. This plan would be costly, but not so expensive as is the tax. Its chief drawback is that it would not benefit small producers or compounders. The Tydings plan has possibilities. Perhaps the best assurance of its success would be a prohibitive penalty. That, of course, raises the question of administrative integrity—and the whole matter gets back to where it started. But, the antinarcotic law works—and that is a testimonial to the preparatory and participatory good work of the drug trade.

—O-P-D—

The Fight of the Fats

The farmer is a funny fellow. He has a powerful political pull and push now. If he didn't fight with himself so much—well, just figure out how strong labor would be if it were all combined in one big organization, and multiply that by the farmer's natural factor of emotional advocates!

The latest evidence of the funny foolishness of the farmer is the newest development in his decades of family fighting over butter and margarin. The butter farmers have got bogged down so badly in their selfish striving to invalidate the FDA margarin standard, which they originally promoted, that they have called upon their congressional champions to outlaw any oleaginous spread which is not parented wholly by milk.

The main reason for all this revived rebellion is that the United States Department of Agriculture which had passed to the Federal Security Agency the job of standardizing margarin, came out in praise of that product as an article of food. The butter farmers—they are the fellows who recently declared that no war could be won with commodities at low prices—were astonished that the Federal department was regardful also of the agriculture of the corn farmer, the cotton farmer, the soybean farmer, the peanut farmer, and the beef-cattle farmer—all of whom contribute to making margarin good—and a new campaign is on in the war that is not only between the States but inside many of them. The only possibility that Congress will win the war for butter over other edible fats will derive from the influence of that other fat which exists in cranial obesity.

—O-P-D—

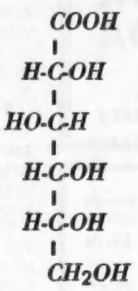
Before You Finish Packing

Before the moving-men take out the last desk and typewriter, see that a communication is written to OIL, PAINT AND DRUG REPORTER telling your new address—and your present one also, for that's the key to OPD mailing records.

You will not like it if you don't get your REPORTER for a couple of weeks. You need it right along—and moreso now that more emphasis is being given to conditions and prices in resale markets. We can't see that you don't miss a number if we don't know where you live.

Of course, if you are not going to join in the October caravan moving from here to there, and if you are getting the REPORTER satisfactorily every week, why, don't bother; we know where to find you.

GLUCONIC ACID



FOR INDUSTRIAL USE

IN addition to use in the fields of foods and pharmaceuticals this acid, its lactone, and its salts are finding ever-widening utilization in other branches of industry.

GLUCONIC ACID, although a relatively strong organic acid, is but slightly corrosive, and its value in processes involving the cleaning of metallic surfaces is being more and more widely recognized.

In the presence of this acid, or its salts, many metals such as iron, aluminum, chromium, etc., are not precipitated from solution by alkalis. This unique property has been used to advantage in the preparation of a number of widely divergent products and we feel sure will be of assistance in solving many other problems encountered in the chemical industry.

Further information in regard to these compounds will be gladly supplied and we will be pleased to discuss their possible application in specific problems.

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Heavy Chemicals

OPA Fixes Ceiling Price Schedule for All Grades of Acetic —Barium Carbonate and Carbon Bisulphide Prices Advanced —Soda Orthosilicate Higher—Aluminum to Be Lowered

The establishment of a price ceiling for various grades of acetic acid by the OPA provided the outstanding development in the market last week. The maximum price schedule will become effective September 29, fixing quotations for all grades of glacial and for commercial grades (100 percent basis), at third-quarter levels. The changes contemplated for the fourth quarter will most likely be nullified by the new ceiling. A checkup revealed most factors adhering to new OPA price schedules.

A good volume of defense business continued to make its appearance. A great deal of uncertainty surrounded the market, and more pressure was applied to adhere to priority orders. Meanwhile, efforts were going forward by the government to put into effect some form of general price control. Producers continued to make moderate price adjustments on a few chemicals to take care of the increased production costs.

Shortages of all types of containers becomes more pronounced each day. Producers experienced difficulty in securing many types of containers. Aluminum drums were not being replaced, while heavy steel drums have been scarce. Rubber lined and glass carboys are not too plentiful. Most sellers have concontinued burlap packings, and the tendency has been toward double-lined paper bags.

Paper production, as a percentage of six-day capacity, was 103.8 in week ended September 20, according to the American Pulp and Paper Association. This compares with 104 percent in the previous week and 85 percent a year ago.

Alums.—Prices firm, with one seller establishing higher quotations for ammonia and potash as announced preceding week. Demand steady.

Alumina Sulphate.—No word concerning fourth quarter prices on commercial. Good inquiry.

Aluminum.—Effective September 30 price of ingots will be lowered 2c. ranging from 15c. to 16c. per pound, according to quantity. Material on mandatory priority.

Price Changes

Advanced

Barium carbonate precip., $7.50 per ton.
sulphur free, $10 per ton.
Carbon bisulphide, ½c. per lb.
Soda orthosilicate, 15c. per 100 lbs.

Reduced

Aluminum, ingots, 2c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
168.3	168.3	167.3	154.1

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
109.0	109.0	108.7	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Oxalic Acid

Oxalic acid produced from saw dust was recently announced at the American Chemical Society convention. The method calls for using sawdust with lye and treating with lime and sulphuric acid. This is not an entirely new method, however, since the first production in this country was started by using saw dust in the alkali method of caustic potash and soda. Some time ago it was under consideration to use hulls of raisins treated with nitric acid to make oxalic acid. Practically all of the oxalic today is made by the formate process with carbon monoxide as the basic raw material.

Demand for oxalic acid has been heavy ever since the start of the war. Defense needs directly and indirectly take substantial quantities, the material is used in a number of industries and in the making of pyrotechnic compositions. Estimates place production this year well over 10,000,000 pounds. This compares with 8,265,490 pounds made in 1939 and 10,197,652 pounds produced in 1937.

Imports, which came largely from Germany, have ceased entirely since the war. In the 1939 period a total of 183,233 pounds entered this country, compared with only 25 pounds in the 1940 year. No imports were recorded during the first five months of this year.

A long period of price stability prevailed with the first change in prices occurring only recently for the fourth quarter contracts. Quotations since 1932 held at 10¾c. per pound for car lots and are now quoted at 11¼c. per pound. The scarcity of material brought much speculation in the resale market, with prices advancing as high as 40c. per pound.

Ammonia Anhydrous. — Offerings limited, defense needs receive first call. Prices firm.

Ammonia Aqua. — Market position tight, selling restricted. Quotations firm.

Ammonia Bicarbonate.—Prices firm, business routine.

Ammonia Bifluoride. — Spot stocks small, offerings limited. Prices firm.

Ammonia Nitrate. — Active inquiry from defense channels. Quotations remain firm.

Ammonia Silicofluoride. — Small quantities available on spot, and prices rule firm.

Ammonia Sulphocyanide.—Domestic offerings sufficient to take care of demand. Prices without change.

Ammoniac, Sal.—A good demand remained in evidence, while prices failed to change. June imports 134,662 pounds, all from the United Kingdom.

Antimony.—Domestic spot metal unchange, while inquiries were steady.

Antimony Oxide. — Situation tight. Prices displayed firmness.

Arsenic.—Movement of white continued in good volume. Prices were firm. June imports 2,975,079 pounds, of which 2,814,079 pounds came from Mexico.

Barium Carbonate.—Prices advanced $7.50 for precipitated to basis of $55 per ton in car lots and $60 in less quantities; sulphur free prices $5 higher than precipitated.

Barium Dioxide. — Expanding defense requirements factor in depleting supplies. Prices firm.

Barium Hydrate.—Offerings limited, prices remain in firm position.

Bleaching Powder. — Business confined to regular consumers for normal needs. Prices firm.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Pest Corn Control Ass'n, San Francisco, Oct. 27-29.

Calcium Acetate.—Material scarce. Prices unchanged and firm.

Calcium Carbide.—Brisk inquiry. Market in tight position.

Calcium Chloride.—Shipments held at good levels, while prices were firm.

Carbon Bisulphide.—One producer advanced prices ½c. making 55 gallon drums 5½c. per pound in car lots and less car lots 6¼c. per pound. Steady demand.

Carbon Tetrachloride.—Business on allocated basis. Active inquiry. Prices rule firm.

Chlorine.—Business continues regulated by priorities; defense needs absorbing larger quantities. Prices firm.

Chloropicrin.—Prices unchanged and firm. Market position short, reflecting situation in picric acid.

Cobalt Oxide.—No change in price, with business usually pro rated among regular trade.

Copper Salts.—Supplies limited, business on allocated basis. Prices firm.

Copper Sulphate.—Broader defense requirements taking available output; sellers well booked ahead. Some agricultural demand in the South. Prices firm.

Fluorspar.—Market position firm. Buying remained steady.

Glauber's Salt.—Steady movement against contracts to regular channels. Prices without change.

Lead Acetate.—Market tight. Prices held at previous levels.

Lime.—Shipments steady. Prices underwent no change.

Manganese Dioxide.—Firm price tone governed dealings, with shipments confined to regular contracts.

Nickel Salts.—Market short, backlogs heavy. Prices nominal.

Phosphorus.—Tight situation continues as defense needs take substantial quantities. Prices rule firm.

Potash Carbonate.—Deliveries lag in some instances with demand steady. Prices firm.

Potash, Caustic.—Inquiries and shipments active. Pricewise a firm tone prevailed.

Potash Chlorate.—Defense needs factor in limiting supplies. Prices firm.

Potash Cyanide.—Domestic offerings well absorbed. Prices without change.

Potash Permanganate.—Business allocated among regular consumers; defense needs expanding. Prices firm.

Salt.—Shipments brisk.—Prices without change and tone firm.

Saltpeter.—Buying held at steady levels, while prices were firm.

Soda Acetate.—Market tight, offerings restricted. Prices display firmness.

Soda Ash.—Broad buying continues to keep market in a firm position.

Soda Bicarbonate.—Demand moderately active, and quotations rule firm.

Soda Bisulphite.—Market position firm. Inquiries and shipments steady.

Soda, Caustic.—Shipments confined to regular contracts consumers for normal needs. Market position firm.

Soda Chlorate.—Steady inquiry from regular channels; no new business taken. Prices firm.

Soda Fluoride.—Material scarce; little offered on spot. Prices firm.

Soda Hydrosulphite.—Business limited to regular consumers. Prices unchanged and firm.

Soda Metasilicate.—Shipments steady. Prices firm at recently established levels.

Soda Nitrite.—Market displays a firm tone, while purchases were in good volume.

Soda Orthosilicate.—Price advanced 15c. to basis of $3.15 per pounds in car lots at the works. Good inquiry.

Soda Phosphate.—Market in tight position, business allocated among regular consumers. Prices firm at higher levels.

Soda Silicate.—Buying remained broad, and tone was firm.

Soda Silicofluoride.—Spot offerings negligible; bookings made well in advance.

Soda Sulphide.—Situation remains tight. Prices firm at new levels.

Strontium Nitrate.—Market firm. Inquiries fairly active, with offerings limited.

Sulphur, Refined.—No further changes in the prices for various grades. Commercial demand held steady.

Tetrachlorethylene.—Market short, offerings limited. Prices firm.

Zinc Chloride.—Quotations firm at the higher levels. Shipments confined to regular contract accounts as a rule.

Zinc Sulphate.—No change occurred in the prices. Buying held steady.

Acids

Establishment of a price ceiling for various grades of acetic acid, effective September 29th, provided the feature to the market for acids last week. In line with expectations the OPA issued a maximum price schedule of 7¼c. for natural in lots of 3,000 pounds or more and 6¼c. for synthetic, while prices for glacial and for commercial grades (100 percent basis) will be held at third quarter levels. Changes already announced for the fourth quarter will be affected by the new ceiling. A check up disclosed most producers were adhering to OPA schedules. A leading factor still quoted 10c. per pound in tanks for natural.

Producers were booked up for some time ahead on various materials which entered into the defense program. No further price adjustments appeared, although higher prices have been announced for various grades of sulphuric acid in the Baltimore market covering new contracts.

Acetic.—OPA established price ceiling, effective September 29 on various grades. Under schedule maximum prices for 3,000 pounds or more fixed at 7¼c. per pound for natural and 6¼c. per pound for synthetic. F.o.b. prices range from $3.18 to $8.70 per 100 pounds in car lots for glacial and for commercial grades (100 percent basis). Most factors quoting in conformity with OPA schedules. A leading manufacturers's tank price for natural remains at 10c. per pound.

Acetic Anhydride.—Supplies scarce. Prices firm.

Chromic.—Market position tight. Prices unchanged and firm.

Formic.—Firm tone predominates, with selling usually restricted.

Lactic.—Technical grades moved steadily, while prices displayed firmness.

Muriatic.—Shipments brisk. Prices were without change.

Nitric.—Defense needs absorb large quantities to keep market firm.

Sulphuric.—Sellers sold up against contracts, and taking on no new business. Prices remain firm.

Baltimore, Sept. 24.—At last the frequently predicted increase in the quotations on sulphuric acid have been announced, becoming effective at once in so far as the increase does not conflict with deliveries of acid under contracts, many of which are still to run to about the end of the year. For a long time acid was nominally quoted at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Under the new list the price will be $14 per ton for 60 degree and $16 per ton for 66 degree acid per ton at producers' plants. Along with acid, oleum has been advanced from $17 to $19 per ton nominally for 20 percent supplies. The increase was decided on because of the rising cost of crude materials, higher freight rates and advances in wages, which, according to producers, make it impossible to continue supplying acid at the old figures.

Insecticides

Business slowed down considerably in most sections during the past week. The bulk of the activity was confined to Florida and other Southern states where moderate demands were reported. Inquiries appeared earlier than usual, however, for next year requirements, and it appeared likely that shipments would start sooner. There was nothing new in the prices, many sellers have withdrawn prices for the present.

Calcium Arsenate.—Moderate inquiry. Prices without change and firm.

Lead Arsenate.—Not much new business evident. Quotations rule firm.

Paradichlorobenzene.—Steady inquiry, offerings limited. Prices firm.

Resale Market

Less activity was evident in the resale market for heavy chemicals, reflecting to some extent the growing shortage of materials and the announcement that "priority profiteering" in many chemicals would be in-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Oldbury
Electro-Chemical
Company

PHOSPHORIC (U.S.P.) ACID
•
PHOSPHORUS OXYCHLORIDE
•
PHOSPHORUS PENTACHLORIDE
•
PHOSPHORUS PENTASULFIDE
•
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New York Office:
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— the answer to your problems wherever moisture with resulting lumping or caking is a factor in transit or storage. Fulton Waterproof Bags with the special Diastretch lining are stepping up efficiency and effecting real savings for large users all over the country. Save money—replace more expensive containers with Fulton Waterproof Paper Lined Bags for shipping, storing chemicals, pigments and any products that require sift-proof and moisture-proof containers. Write, wire or 'phone your order today. ***Quick shipments from Atlanta, Georgia and St. Louis, Missouri.***

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ESTIMATE YOUR NEEDS . . ORDER TODAY

vestigated by the Department of Justice.

Copper sulphate crystals ranged anywhere from 6½c. to 9¼c. per pound; monohydrated, 19½c.; cobalt oxide, $2.35 to $2.65 per pound; carbon tetrachloride, 18c. to 20c. per pound; tetrachlorethylene, 25c. to 26c. per pound. Nickel salts offered from 36c. to 40c. per pound. Red phosphorus, November shipment, 80c. to 85c.; synthetic cryolite, 14c. to 17c. and zinc chloride 7c. to 9c. per pound.

The fluorides were generally scarce, and the few offerings were: Ammonia bifluoride and fluoride 20c. per pound; ammonia silicofluoride, 25c.; barium fluoride, 18c.; magnesia silicofluoride, 22c.; soda bifluoride, 20c. to 25c.; soda fluoride, 17c. to 25c. and soda silicofluoride, 20c. to 24c. per pound.

Limited offerings were made in potash salts with potash carbonate at 10½c. to11½c. per pound; caustic potash, 9½c. to 11¼c.; potash chlorate, 42c. to 50c. and potashcyanide 80c. to $1 per pound.

Premium prices prevailed for many sodium compounds. Soda acetate, anhydrous was quoted at 15c. per pound while the flake and granular was 8½c. to 9c. Solid caustic soda $4.10 to $4.25 per 100 pounds; soda chlorate, 26c. to 30c.; soda cyanide, 27c. to 30c.; soda hydrosulphite, 33c. to 35c.; soda nitrite, 9c. to 10c.; tri soda phosphate $4 to $5 per 100 pounds; dibasic soda phosphate, anhydrous, 12½c. per pound; soda sulphate, anhydrous, 3c. to 3½c.; soda sulphide 9¾c. to 12c. and soda sulphite 11c. per pound.

In the acid division, 80 percent acetic was offered at 19½c. per pound; glacial, 22c. and acetic anhydride, including carboys, 40c. per pound. Chromic acid, 90 percent, 33c. to 40c. per pound and formic, 85 percent, 26c. to 35c. per pound.

American Can Company, this city, has awarded a contract for construction of $1,750,000 plant in St. Louis.

SULPHUR
GROUND AND SOLD
Commercial flour, dusting sulphur, wettable sulphur, rubbermakers' sulphur . . . All crude sulphur used is 99½% pure.
WRITE OR WIRE FOR QUOTATIONS... DOMESTIC OR FOREIGN
DOUGLASS SULPHUR CO.
P.O. BOX 231 HOUSTON, TEXAS

Acetic Acid Price Ceiling Established

—Continued from page 3

Carboy Carlots

Maximum prices for carload quantities in carboys and cases are determined by adding a differential of 50 cents per 100 pounds for maximum prices established for barrel or drum car lots.

Less Carlots

Maximum prices for less than carlot quantities are determined by adding the following differential to maximum car-lot prices:—

For barrels or drums, 25 cents per 100 pounds.

For carboys and cases, 75 cents per 100 pounds.

Record of Sales

The order requires that every person making any purchase or sale of acetic acid in quantities of 3,000 pounds or more shall keep for inspection by the Office of Price Administration for a period of not less than one year complete record of such transactions.

It was also ordered that on or before October 10, and on or before the tenth day of each month thereafter, every person who, during the preceding calendar month, has made any sale of acetic acid in quantities of 3,000 pounds or more, whether for immediate or future delivery, shall submit to the Office of Price Administration, an affirmation of compliance on form 131.1 containing a sworn statement that during such month all such sales were made at prices in compliance with this schedule or with any exception or modification thereof.

The order also contained the usual sections 1335.203-207, contained in executive order 8734, covering evasion, enforcements and modification of prices, under which latter sections persons complaining of inequity in operation of the schedule may apply to the Office of Price Administration for approval of modification or exception therefrom.

Olive Oil Ass'n Forms Cooperative Ad. Group

The Olive Oil Association of America has formed a co-operative advertising committee. Formation of the committee was predicated on the confusing statements relative to the availability of supplies of pure olive oil. J. M. Calderon, of Victor M. Calderon Company, has been named chairman of the committee.

BARIUM PEROXIDE
BARIUM AND CHEMICALS, Inc., Willoughby, Ohio
Successors to The J. H. R. Products Co.

PHOSPHORIC ACID
50% and 75% Technical and 85% U. S. P. Syrupy
Purity far exceeds requirements of all Federal and State Pure Food Laws. Exceptionally low in fluorine content. Produced by the electric furnace method.
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INDUSTRIAL CHEMICALS
DRUGS — OILS — WAXES
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251 Freeman Street Brooklyn, N.Y.
ENEQUIST CHEMICALS QUALITY

Chemical, Oil Companies Incomes: 1939

—Continued from page 3

The following statistics are given for corporations in the chemical and related industries and the petroleum industry:—

Corporations in Chemical and Related Industries

	All corporations.	Reporting net income.	Reporting no net income.
Number of returns:—			
1939	*7,049	3,368	3,417
1938	*7,150	2,799	4,092
Gross income:—			
1939	$4,354,941,000	$4,095,203,000	$259,738,000
1938	3,709,338,000	3,230,179,000	479,159,000
Net income:—			
1939	535,826,000	553,738,000	.....
1938	308,385,000	339,112,000	.....
Deficit:—			
1939	.....	.....	17,912,000
1938	.....	.....	30,727,000
Dividends, in cash and assets other than corporation's own stock, 1939	331,579,000	330,310,000	1,269,000
Federal taxes, 1939:—			
Income tax	.....	84,947,000	.....
Excess-profits tax	.....	192,000	.....

Petroleum and Coal Products Industry

	All corporations.	Reporting net income.	Reporting no net income.
Number of returns:—			
1939	733	350	323
1938	*765	315	398
Gross income:—			
1939	$5,409,881,000	$4,130,839,000	$1,279,042,000
1938	5,098,291,000	2,459,321,000	2,638,970,000
Net income:—			
1939	179,662,000	196,590,000	.....
1938	58,285,900	146,406,000	.....
Deficit:—			
1939	.....	.....	16,828,000
1938	.....	.....	88,121,000
Dividends, in cash and assets other than corporation's own stock, 1939	186,826,000	172,524,000	14,302,000
Federal taxes, 1939:—			
Income tax	.....	21,342,000	.....
Excess-profits tax	.....	.....	.....

* Includes inactive corporations.

Chlorine Plant To Be Built by U.S.

—Continued from page 3

ly $150,000,000 for the construction of fifty new refineries and by-product plants to raise the present production of 100 octane motor fuel to 120,000 barrels daily from the present level of 40,000 barrels per day.

In addition to the governmental expansion program, Mr. Ickes said that he expected a considerable amount of private capital to be utilized in the building of some new refineries, adding that it is hoped to make the expansion program as flexible as possible in order to obtain the best results. The shortage of the high-test motor fuel, he said, is a direct result of increased demands of Russia and the British.

It is also planned, Mr. Ickes said, to build up large stockpiles of 100 octane aviation fuel through purchase of it by one of the RFC subsidiaries. Mr. Jones, he explained, will create these stockpiles by contracting for purchase of the output of new plants over some period in order to interest private capital in constructing new refining plants.

Pa. Salt, Amer. Cyanamid Form Bauxite Company

Leonard T. Beale, president of the Pennsylvania Salt Company, Philadelphia, in his report to stockholders for the fiscal year ended June 30 said:—

During the year Pennsylvania Salt acquired property on the Williamette river at Portland, Ore., and is about completing a plant there for the production of sodium and potassium chlorates. The company expects to add units in the future for other chemicals.

In the production of sulphate of alumina, hydrate of alumina, and other products, the company uses large quantities of bauxite. In accordance with its policy to own, wherever possible, its sources of raw materials, Pennsylvania Salt started investigations some years ago as to a source of bauxite and was fortunate in finding an advantageous deposit on the Berbice River in British Guiana.

Our own requirements not being large enough to operate such a venture economically, we have formed a subsidiary company known as Berbice Co., Ltd., with the American Cyanamid & Chemical Company as partners—each company owning 50 percent of the stock. It is expected that the mining and refining plants now under construction will be ready for operation early in 1942.

Net earnings for the period were $1,649,039, or $10.99 per share, as compared with $1,726,874, or $11.51 per share for the preceding year—a decrease of 4.5 per cent. The result this year is after setting up a special reserve of $400,000 for contingencies, including allowance for unknown taxes.

American Cyanamid Agent On MBI Sink-Float Process

Howard I. Young, president of American Zinc, Lead & Smelting Company, St. Louis, has appointed the American Cyanamid Company, New York, the sales and technical representative throughout the world for heavy media separation (sink-float) processes formerly offered to the mining industry by American Zinc, Lead and Smelting Company as the MBI patented sink and float process.

These processes, Mr. Young explained, cover methods of beneficiating metallic and non-metallic ores, including anthracite and bituminous coals, and are already in use in concentrating plants in this country where their low operating costs and high efficiency have been established. These processes are, Mr. Young said, especially important at this time in view of the expectations that they may become a vital factor in bringing into production strategic metals from low-grade ores which heretofore could not be economically treated by older and more costly beneficiation methods.

Phelps Dodge New Copper Sulphate Unit to Open Nov. 1

Phelps Dodge Refining Corporation, this city, plans to open a new copper sulphate unit in Laurel Hill, L. I., November 1. Annual capacity of the plant will average about 9,600 tons. A new process will be employed by which the time for producing crystals will be reduced and will result in more thorough unification of the material. This latter feature will make the product especially adaptable to the fertilizer industry.

Strategic Mining Profits Tax Repeal Sought in Senate

The exemption from excess profits taxation for income derived from mining certain strategic materials, which was eliminated from the law by the 1941 revenue act just signed by the President, would be restored under the terms of a bill (S.1910) introduced in the senate by Senator Pat McCarran of Nevada. The McCarran bill seeks to repeal the section of the new tax bill which eliminated the exemption and make the section of the internal revenue code providing for such exemption applicable to all taxable years beginning after December 31, 1940.

Cardox to Make Perchlorate

The Cardox Chemical Company, 307 North Michigan avenue, Chicago, plans an expenditure of $250,000 of construction of a unit for the production of potash perchlorate at Claremore, Okla. Cardox Chemical is a factor in the mining industry.

Dyestuffs, Textile and Leather Chemicals

Chestnut, Hemlock and Oak Bark Extract Prices Extended —Gambier Singapore Cubes Higher—Egg Products Firm —Good Demand Continues for Most Tanning Extracts

The market lacked much in the way of price developments last week. One producer announced extension of contract prices covering the fourth quarter for chestnut bark, hemlock bark and oak bark extracts. Schedules for other chemicals on contract basis have already been released. Materials on a spot basis held at firm levels. Buying was steady, with the majority of materials in a tight position and offerings usually limited to take care of normal requirements. Defense buying was a prominent factor in depleting supplies of materials, with the government still an active purchaser of some commodities.

Egg products continued in a tight position, while prices did not change; government buying raised quotations for egg futures. At least a billion dollars will be needed for commodities to supply Britain up to February, 1942, it was pointed out. A considerable portion of this will be used to purchase egg products. Large quantities of starch also will be needed.

Various tanning materials moved in good volume to the leather trade. Defense orders were a big factor, and supplies of some materials were not too plentiful. Imports of raw tanning materials were irregular and prices were largely nominal.

Chemicals

Alumina Acetate. — Market tight. Prices unchanged and firm.

Alumina Chloride.—Steady inquiry. Prices the same and firm.

Antimony Salts.—Offerings limited. Prices rule firm.

Potash Bichromate.—Business allocated among regular consumers. Prices remain firm.

Potash Prussiate.—Business usually confined to regular channels. Prices underwent no change.

Soda Bichromate.—Consumers held to normal requirements. Quotations unaltered and tone firm.

Soda Prussiate. — Demand steady, with business usually on a restricted basis. Prices held firm.

Sulphonated Oils.—A firm price tone governed the dealings. Brisk inquiry.

Zinc Dust.—Supplies pro rated among regular consuming trade. Prices firm.

Annatto

Annatto and extracts have been imported into this country at slightly higher levels so far this year than during the past two years. Since most of the annatto comes from the West Indies, South and Central America no serious shipping interruptions have taken place. Total imports amounted to 998,000 pounds, valued at $32,900 during the first half of this year, of which 441,000 pounds came from Jamaica; 491,800 pounds from Ecuador and 65,200 pounds from the Dominican Republic. This compares with total imports of 1,436,000 pounds during 1940 and 1,403,600 pounds for the 1939 year.

Demand has not been unusually large for various grades of annatto. Sellers report a steady demand for coloring foods such as butter, cheese and oils. The textile trade has not been an important consumer in recent years, and only small quantities moved for silk and cotton dyeing.

A slight reduction in prices occurred since the beginning of the war. Prices for the seed were lowered ½c. ranging from 6c. to 6½c. per pound. No change occurred in the paste material which is currently quoted at 34c. to 39c. per pound.

Price Changes

Advanced

Gambier, Singapore cubes, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
245.3	245.3	235.9	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Dyestuffs

Cochineal. — Shipments routine. Prices failed to change.

Fustic.—Steady demand from usual consumers. Quotations firm.

Hypernic.—A good interest continues to keep market in firm position.

Indigo.—Inquiries light. No change disclosed in the prices.

Logwood. — Withdrawals steady. Prices firm at recently established levels.

Turmeric.—Spot offerings limited. Prices remain firm.

Sizing Materials

Albumen, Blood.—Prices unchanged and firm. Buying steady.

Albumen, Egg.—Good inquiry, supplies limited. Prices remain the same. Department of Agriculture announced purchase of 1,344,760 pounds of dried eggs in week ended September 20.

Corn Sugar. — Shipments steady. Pricewise a firm tone predominated.

Dextrin, Corn.—Demand good. Prices lacked change.

Dextrin, Potato.—Prices maintained at firm levels, while demand was moderately active.

Egg Yolk. — Quotations without change. Inquiries well sustained.

Sago Flour.—No new price developments, while offerings were well absorbed.

Starch, Corn.—Withdrawals steady. Prices failed to change and tone held firm.

Starch, Rice.—Purchases moderately active. Prices remained at same levels

Starch, Wheat. — A satisfactory amount of replacement buying appeared to keep prices firm.

Tapioca Flour.—Situation remains tight, while prices held at previous levels.

Tanning Materials

Chestnut Bark.—Shipments moved against contracts at good pace. Prices remain firm for fourth quarter.

Cutch.—Offerings limited to regular consumers. Prices were the same.

Divi-Divi.—Inquiries moderate. No change disclosed in the prices.

Gambier. — Spot offerings small; Singapore cubes up ½c. ranging from 10½c. to 11c. per pound.

Hemlock Bark.—One seller extends prices for fourth quarter. Demand steady.

Mangrove Bark.—Business moderate and steady. Prices without change.

Oakbark.—Prices remain firm for the fourth quarter. Shipments well sustained.

Osage Orange. — Steady inquiry. Pricewise a firm tone prevailed.

Quebracho.—Market firm at higher levels. Good demand.

Quercitron.—Shipments moderately active. Price tone firm.

Spruce Extract.—Market position tight, particularly for powder. Demand brisk. Prices firm.

Sumac.—It was incorrectly reported preceding period that prices for sumac extract were advanced 1c.; prices remain at 8c. for No. 1 and 7c. per pound for No. 2.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Resale Markets

All of the resale activity in the dyestuffs, textile and leather chemical market was confined to the chemical division. Offerings were not numerous, small lots of bichromate passed at high prices, the soda was quoted anywhere from 23c. to 25c. per pound and potash bichromate at 25c. to 30c. per pound. It was difficult to locate any red potash prussiate with price from 80c. to $1.00 per pound asked; the yellow ranged anywhere from 38c. to 45c. per pound, while yellow soda prussiate was quoted at 16c. to 18c. per pound.

Mutual Chemical Co. Issues Chromium Compounds History

The Mutual Chemical Company of America, 270 Madison avenue, New York, has issued a thirty-page brochure on the discovery, development and use of chromium chemicals. Starting with early historical events in Europe, the story covers the progress in chromium chemicals in the United States. The brochure discusses separately the uses and improvements in the various chromium compounds, and contains marginal drawings and maps indicating the plants, chrome ore mines and agents for the company throughout the world. Included also is a list of the company's products, and type of container used in shipping them. Copies of the brochure may be obtained from the company by mentioning the REPORTER.

Drew Leaves Tanners Council Statistical Post for OPM

Edward L. Drew, statistician of the Tanners' Council of America, has been given an indefinite leave of absence in order to accept the position of business specialist in the Office of Production Management. Mr. Drew has been connected with the Tanners' Council since 1929. He served as statistical assistant for several years and has been statistician in charge of the council's trade survey bureau for the past six years.

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PICKLING INHIBITORS
BENZOL
TOLUOL
XYLOL
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FLOTATION REAGENTS
ANHYDROUS AMMONIA
HYDROGENATED COAL-TAR CHEMICALS
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Cyclohexanol 98-100%
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Coaltar Chemicals

Defense Buying of Basic Products Affect Several Derivatives —Spot Offerings of Benzol in Drums Made at Premium Levels —Supplies of Cresylic Acid Limited and Imported Firmer

Broader defense requirements continued to tighten the market for a number of coaltar chemicals last week. Basic products bore the brunt of the demand, and this reflected in a tighter situation for several derivatives. With defense needs carrying preference, sellers were not able to do much but to allocate available supplies among regular contract consumers. No official announcements were made concerning price changes. However, in some materials a much firmer tone was evident.

It was more difficult to locate any sizable spot offerings of benzol, and premiums were not uncommon for drum shipments. Xylol was tight, and no spot offerings appeared. Toluol continued in heavy demand for defense, limiting amounts available for commercial consumers. Tar acids failed to improve a great deal. As a matter of fact, conditions were tighter than before. Offerings of cresylic acid were few in the domestic market, and what little imported appeared brought stiff prices. Cresols, phenol and naphthalene were well booked ahead.

Many coaltar acids and intermediates were in short supply, and this affected coltar colors to some extent. Many materials ordinarily used in large quantities by dyestuff manufacturers were diverted for defense needs, and this brought about delays in shipments.

The OPA froze prices of by-product foundry coke at around the current levels to become effective October 1. The government considered it essential to maintain stability in the iron and steel price structure.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Firm situation surrounds the trading. Spot offerings limited. Shipments moved steadily against contracts.

Carbazole.—Buying remained moderate and steady. Prices failed to change.

Coaltar.—A good movement of refined and crude continued to keep market in firm position.

Creosote Oil.—Inquiries reached market steadily, and situation remained firm.

Cresols.—Heavy inquiry. Sellers were allocating supplies depending on defense orders. Prices rule firm.

Cresylic Acid.—Domestic acids well booked ahead. Petroleum acids in spot market $1 per gallon; imported ranged anywhere from $1.60 to $1.80 per gallon.

Naphthalene.—Firm price tone predominates. Crude moving directly to consumers, while offerings of refined were not large.

Phenol.—Broad buying continued. Sellers allocating business as rule. Prices displayed firmness.

Pitch, Coaltar.—Transactions routine. No change in the prices.

Pyridine.—A steady demand remained in evidence, while prices were firm.

Toluol.—Defense needs broad, and not much available for commercial needs. Prices were firm.

Xylol.—Available output taken and little or no material available in spot market.

Chicago.—Good demand continued to be recorded for most grades of coaltar bases. Buyers are showing continued interest in benzol and various other products. Offerings of xylol, toluol and similar products have been rather limited. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Tar Acid Oils

Production of various grades of tar acid oils has been affected by the tight situation prevailing for cresylic acid. The bulk of the material goes into disinfectants, while the government has taken sizable quantities for cleaning compounds. Most sellers were finding it more difficult to keep pace with the demands for disinfectant purposes, especially with efforts to conserve available supplies of cresylic acid for more important defense uses.

No specific production data is available on tar acid oils. However, output of crude and refined tars in 1940 amounted to 31,884,610 gallons, as compared with 33,957,602 gallons in the 1939 year. The increased demand particularly from the resin manufacturers, were responsible for an increase in the recovery of crude cresylic acid and other crude tar acids.

Tar acid oils are subject to export licenses together with other coaltar chemicals. No classification of exports have been made on these materials, but it is understood that export have not been a very large factor in the past.

Prices have shown an upward trend during the past year or more. At the start of the war prices for the 15 percent tar acid oils ranged from 21c. to 23c. per gallon as compared with 24c. to 26c. currently; 25 percent was quoted at 25c. to 27c. as against 27½c. to 29½c. per gallon.

Coaltar Acids

Benzoic.—Shipments moved steadily against contracts. Prices firm.

Broenner's.—Usual consumers provided a moderate interest. Quotations lacked change.

Cleve's.—A routine demand prevailed, while no change occurred in the prices.

Fumaric.—Inquiries brisk, and market in firm position.

Gamma. — Withdrawals moderate and steady. Prices failed to change.

H.—Dealings routine. Pricewise a firm tone predominated.

Maleic.—Market tight, offerings restricted. Prices retained firmness.

Malic.—Consumers provided a good replacement interest to keep market firm.

Picramic.—Steady shipments prevailed. Prices remain at same levels.

Picric.—Defense needs prime factor. Market position firm.

Salicylic. — Offerings restricted. Pricewise a firm tone prevailed.

Succinic.—Market firm. Dealings steady.

Tobias.—Tight situation prevalent, and business active. Prices firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Other Intermediates

Alphanaphthol. — Steady inquiry, with business limited to regular channels.

Anilin.—Market short. Sellers well booked ahead, defense needs factor. Prices firm.

Anthraquinone.—Dyestuff manufacturers absorbed available offerings. Prices without change.

Benzaldehyde.—Technical grades in good call and market tight. Prices unchanged.

Benzidin Base.—Shipments moved steadily, and market was firm.

Betanaphthol.—Active inquiry, offerings usually limited. Prices lacked any change.

Betanaphthylamine. — Firm conditions prevail, while shipments were active.

Diethylanilin.—Demand moderately active. No change disclosed in the prices.

Dimethylanilin. — Active demand, selling restricted. Prices rule firm.

Dinitrobenzene. — Business usually allocated among regular trade. Prices without change.

Dinitronaphthalene. — Prices unchanged and firm. Transactions steady.

Dinitrophenol. — Steady call. No change disclosed in the quotations.

Dinitrotoluene.—Market tight, selling usually limited. Prices were the same.

Diphenyl.—Shipments moved at a good pace, while prices held firm.

G. Salt.—Market remained routine. Prices without alteration.

Metanitroparatoluidin. — Offerings limited. Prices unchanged and firm.

Monochlorobenzene. — Firm price tone prevailed. Business restricted as a rule.

Nitrobenzene. — Available supplies taken, and market position tight.

Nitronaphthalene.—Steady inquiry, with supplies limited to regular channels.

Orthoanisidin.—Withdrawals steady. Prices remained firm.

Orthochloroanilin.—Business usually allocated. Prices unchanged.

—*Continued on* 30B

Obituaries

Charles H. Dickinson

Charles H. Dickinson, associated with the New York office of the Hooker Electrochemical Company, Niagara Falls, N. Y., died in his home in Montclair, N. J., September 22. He was fifty-two years of age.

Mr. Dickinson joined the Hooker organization twelve years ago, previous to which he was with Dickinson Renouf & Co., a chemical sales firm which he founded, after having attended New York University.

Surviving are a daughter and a son, Charles H. Dickinson, jr.

Aluminum Output to Be Raised 60,000,000 Lbs.

OPD Washington Bureau
September 25, 1941

Jesse Jones, Federal Loan Administrator, today disclosed that a contract has been made with the Reynolds Metals Company for an erection of a new plant by which the output of aluminum at its Lister Kill, Ala., plant would be raised 60,000,000 pounds. Present capacity at Lister Kill is 40,000,000 pounds. RFC will finance the project.

Kans. Ammonia Plant Contract Is Awarded

OPD Washington Bureau
September 24, 1941

The War Department announced today the award of contracts covering the construction and operation of Jayhawk Ordnance Works at Baxter Springs, Kan. This plant, approved by the Office of Production Management, will manufacture anhydrous ammonia and ammonia nitrate.

Contract for management services during construction, procurement of production equipment and at the option of the government to train key personnel and operate plant has been awarded to the Military Chemical Works, Inc., of Kansas City, Mo., which is a wholly owned subsidiary of the Pittsburg & Midway Coal Mining Company. This prime contract amounts to $18,981,901.

Henry J. Heister

Henry J. Heister, who in the early part of this century was one of the three members comprising George Lueders & Co., essential oils, this city, died September 25 at his home in Orlando, Fla. He was eighty-four years old.

Mr. Heister withdrew from the company in the early 1900's to enter the soap business in Chicago as a partner in the firm of Graham Brothers & Co. For the past ten or fifteen years he has been living in retirement, spending Summers in Chicago and Winters in Florida.

Surviving are two sons, Harry W., of this city, and Edwin, of Chicago.

Walter D. Lamar

Walter Douglas Lamar, vice-president of the Lamar-Rankin Company, wholesale druggist, Atlanta, Ga., and president of the S.S.S. Company, of the same city, died September 11 in his home in Macon, Ga. He was seventy-eight years of age. Both of the companies of which Mr. Lamar was an officer were founded by his father, Colonel Henry J. Lamar. The S.S.S. Company was founded more than 100 years ago, while the wholesale drug firm was organized at a later date. In addition to his widow, Mr. Lamar is survived by a number of nephews and nieces.

Paul Muller

Paul Muller, Eastern sales manager for the Owens-Illinois Glass Company, Toledo, died September 24 in his home in Westfield, N. J., after a long illness. He was fifty-four years of age.

Mr. Muller had charge of the sales offices of the company in New York, Syracuse, Boston, Philadelphia, Buffalo and Baltimore. Previously he had been general sales manager for the Kimble Glass Company and vice-president and general sales manager for the National Seal Company.

He leaves a widow, two daughters and a son, Paul, jr., who is associated with the glass company in the main office.

Thomas A. Anderson, president of the Continental Refining Company, Oil City, Pa., died unexpectedly September 19. He was fifty-six years of age.

Col. Earl James Atkisson, commander of the United States Army's only poison gas regiment during the World War, died in Fresno, Calif., September 20. He was fifty years of age. After the war he was for many years chief of the United States Chemical Warfare Department.

Taylor M. Bishop, former president of the Ohio Pennsylvania Grade Crude Oil Producers Association and treasurer of the Independent Gas Producers Association of Ohio, died in Alexandria, Ohio, September 16. He was fifty years of age.

W. E. Gilmour, who retired as treasurer of the Carpenter-Morton Company, Boston, in 1939, died recently. He was seventy-two years of age.

J. C. Martin, executive secretary of the Bradford District Pennsylvania Oil Producers Association, was killed in an accident last week. He was forty-five years of age.

George Osius, founder of the Michigan Ammonia Works, consolidated with E. I. duPont de Nemours & Co., ten years ago, died in his home, Detroit, September 23. He was eighty-two years of age.

Rudolf Schoenheimer, associate professor of biological chemistry at Columbia University, died recently. He was formerly head of the Department of Pathological Chemistry at the University of Freiburg.

Robert H. Wilkinson, pioneer of the California citrus industry, died in Los Angeles September 23. He was eighty years of age.

AMMONIUM THIOCYANATE

NH_4SCN

Properties of Pure Compound:

Molecular Weight	76.11
Melting Point	150°C.
Boiling Point, decomposes about	170°C.
Specific Gravity at 20°/4°C	1.305

State: White, deliquescent crystals.

Solubility: Soluble in water, alcohol and acetone.

Uses: Ammonium thiocyanate undergoes rearrangement when heated under various conditions and yields thiourea and guanidine thiocyanate.

Aqueous solutions of ammonium thiocyanate have a swelling action on cellulosic and animal fibers and have been used to improve the affinity of textile fibers for dyestuffs. NH_4SCN has been used extensively in the finishing trade in the application of indigosol and algosol colors by the thiocyanate-chromate steaming method. It has been used as an inhibitor to protect the shades of certain sensitive dyestuffs from the action of copper in dyeing equipment.

It may be used as a raw material for the production of resinous condensation products upon reaction with formaldehyde. Derivatives have been used as accelerators in the production of urea-formaldehyde resins.

The thiocyano group is incorporated in many types of organic compounds to make products having powerful insecticidal properties.

In the metal finishing industry thiocyanates are used in the production of "black nickel" coatings. Its corrosive action on iron is utilized in pickling compositions.

Lubricating compositions have been prepared making use of thiocyanates for their special properties.

The application of ammonium thiocyanate for the destruction of weeds has proven a highly effective and economical measure. It is used also for control of potato wart infestation. Employment of thiocyanate solutions has hastened the reddening of apples. Stimulation of plant growth has resulted from certain treatments.

Can you use

Ammonium Thiocyanate

(Ammonium Sulfocyanide)

at substantially lower cost?

Koppers has placed in operation a large commercial plant for the production of ammonium thiocyanate crystals. Supplies are now available in quantities not obtainable before and at costs which make ammonium thiocyanate practical for purposes for which it has not been used in the past.

Chemists and Manufacturers who have previously investigated the possibilities of Ammonium Thiocyanate should reconsider its use in view of this increased supply and reduced cost.

Koppers Ammonium Thiocyanate can be supplied in crystal form, having minimum purity of 95% . . . or as crude liquor, containing equivalent of 2½ to 3 pounds of crystals per gallon.

Samples, quotations and further information on request.

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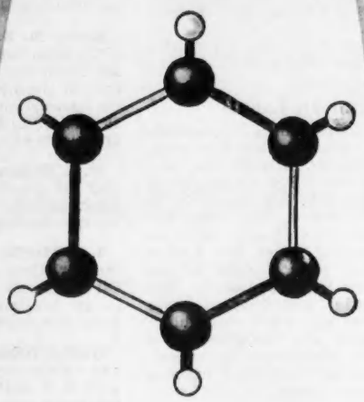

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Coaltar Chemicals

Other Intermediates

—*Continued from* 30A

Orthochlorophenol.—Consumers held to normal needs. No change occurred in the prices.

Orthocresol.—Demand heavy, and business allcoated. Prices well sustained.

Orthodichlorobenzene.—Sellers were endeavoring to supply regular consumers for normal needs.

Orthonitroanilin. — Demand held steady, and prices were firm.

Orthonitrotoluene.—Firm conditions prevail. Business steady.

Parachlorophenol.—Shipments moderately active. Prices underwent no change.

Paranisidin.—Buying good. Market retained its firm tone.

Paranitroanilin.—Inquiries and shipments well sustained. Prices remained firm.

Paranitrotoluene.—Available offerings taken by regular consumers. Prices were the same.

Pthalic Anhydride.—Demand exceeds supplies, and business remains on an allocated basis. Prices unaltered.

R. Salt.—Routine business. No change in the quotations.

Thiocarbanilide.—Market tight, offerings usually limited. Prices were firm.

Toluidin.—Sellers pressed to take care of all inquiries. Prices firm.

Xylidin.—Shipments moved steadily, and market displayed firmness.

Coaltar Colors

No slackening took place in the demand for various coaltar colors last week. Consumers were endeavoring to get prompt shipments, but many times sellers were forced to delay deliveries in view of curtailed raw material supplies. In most instances, however, sellers were able to keep pace with the demand, and offer available substitutes for items that were in short supply. Prices underwent no change, but the general tone was very firm.

The Textile Expert to the United Provinces Government in India stressed recently that a shortage of dyestuffs is bound to occur in the near future and made arrangements to reserve a limited stock of dyes for the use of cotton textile workers and certain government departments.

Resale Markets

Only occasional small lots were available in the resale market for coaltar chemicals last week. It was difficult to locate any offerings of anilin oil, and prices ranged from 32c. to 40c. per pound. Phthalic anhydride passed at 47c. per pound. Technical salicylic acid stood at 50c. per pound. In basic products premiums were asked for drum lots of benzol ranging from 22c. to 23c. per gallon, excluding drums. Scattered sales of toluol were from 50c. to 55c. per gallon. Phenol ranged from 28c. to 35c. per pound.

General Aniline Names Two New Directors

General Aniline & Film Corporation, this city, has elected to its directorate N. S. Talbott and J. G. Baragwanth, to fill vacancies. Mr. Talbott is vice-president and chairman of the finance committee of the Mead Corporation, Chillicothe, Ohio. Mr. Baragwanth is president of Pardners Mines Corporation, this city, and vice-president of Willow Creek Mines.

Stains for use in bacteriological work are now being produced in India for the Medical Stores Department, it is reported.

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Washington Talks It Over

—Continued from page 5

of requirement to make margarin taste like something else than butter, but there is nothing in any Federal law to prevent a food from being flavored in any way at all so long as the flavoring material is harmless and is declared on the label.

So the dairymen got bills introduced in Congress to prevent the sale of margarin which resembles butter, but here's the joker—the original oleomargarin tax law of more than fifty years' standing defines margarin as a product made in imitation of butter. If this new bill forces margarin to take on a different flavor and color—maybe strawberry or peppermint—margarin will no longer be in imitation of butter and will automatically be exempt from all taxes. The poor dairymen are in a bad spot. About the only way left for them to suppress competition is to plug for a law that prevents the sale of anything that resembles butter—and anything that doesn't resemble butter.

Paper Cuts a Puzzle

How to get along on 25 percent less paper products for packing and shipping is the problem presented by OPM to the drug, chemical, toilet goods, and other industries. OPM's pulp and paper section says it has to be done, and suggests three possible ways:—(1) General conservation and parsimony; (2) industry-wide agreements to cut out certain uses; (3) or mandatory orders limiting the amount of packaging materials any firm can purchase. It prefers the first two, but questionnaires have been sent the trades asking their suggestions on such things as smaller cartons, lighter paper and board stock, reduction of size of labels and circulars, elimination of wrappings, use of containers that don't require so much paper to protect them in shipping, and elimination of display cartons, shelf wrappings, and window-display material.

Paper Bag Politics

Strong-arm methods were necessary to suppress competitive jealousies which for a while threatened to upset the ICC applecart in the use of tough paper bags to ship sizeable quantities of insecticides and other poison powders. In order to conserve other shipping containers during the emergency, the ICC some months ago authorized the big bags. But a group of insecticide manufactureres who have been marketing in small containers didn't like the new competition and filed protests with the ICC which had to schedule a proposal to withdraw the authority. Shippers who have been making savings with the new bags ganged up on the protesters so effectively that when the hearing date came around the protests were withdrawn.

British Blacklist Bumped

Another blacklist has been issued by the Department of State adding the names of some 300 reputedly Axis agencies in this hemisphere with which U. S. firms can't do business. Some suspicious investigators took the trouble to compare the original U. S. blacklist with the British blacklist and discovered that British exporters can sell to a whole lot of concerns in most Latin American countries that are taboo for U. S. exporters. Whether true or not, such black rumors don't help to quiet the undercover feeling that the British aren't practicing the same degree of economic self-abnegation in the export field that is being forced upon our own traders.

Mexican Tariff 'Bargain'

Just what sort of a deal the Department of State is cooking up with Mexico has not been disclosed, but it is known that it is trying to make a Good Neighbor out of Mexico by patching up the little differences over confiscation of oil and other properties of Americans. One of the stories leaking out suggests that the Mexicans are carrying the idea of reciprocal tariff bargaining even farther than the New Dealers. The president of the Bank of Mexico is said to have proposed that the United States repeal its duties on sixteen major Mexican exports, including eleven strategic materials now being purchased exclusively by the U.S. government. Instead, Mexico would impose export duties of exactly the same amounts. In this way, it is naively argued, American producers will still get their tariff protection. Not stressed is the fact that some twenty to twenty-five millions of tariff revenue would be transferred from the U. S. Treasury to the Mexican Treasury. But, after all, the Mexican's don't deserve credit for this novel idea; the administration set the precedent in the Philippine independence act which requires the P. I. Commonwealth to place export taxes or shipments of copra, cordage, and sugar to the United States!

Stand by to Stand Idle

So much fuss has been raised over difficulties of getting priorities for maintenance and repair of every sort of factory and production equipment that SPAB has about decided to let down all the bars. The old OPACS had half a dozen plans for maintenance and repair supplies, but none of them ever went into effect. Then OPM issued a special rating plan for twenty essential industries, and had to follow it with special orders for a lot more industries that claimed they were just as essential. Now the plan is to let all industries get whatever is needed to keep their equipment in operating order, whether they can make any pretense of being essential or not. This doesn't mean that such industries can get any materials to continue production even though they keep their plants in perfect order. The idea is that the nation's economic machine should not be allowed to deteriorate during the emergency, so a lot of plants will be maintained in stand-by condition and then will have to stand idle for the duration.

High Costs Subsidized

OPA doesn't advertise it, but one of its policies in fixing prices is to permit subsidies to high-cost or marginal producers where this is considered necessary to get needed production. An example is the acetic acid ceiling (page 3) which fixes a higher price for acid of wood origin than for synthetic. OPA makes no apology for such differentials. In normal times the high-cost boys would have to meet competition or perish, but now we need their output. Yet OPA won't permit all consumers to pay the top price needed to get the extra production required by defense, so the subsidy method is used.

It's not so easy on most products as on acetic acid, however. Subsidy prices to high-cost copper and zinc producers are under discussion, but OPA hasn't yet found a formula to prevent all miners from claiming they are using lean ores. One suggestion is that the government supply its own requirements from the high-cost producers of many things at whatever price is needed to bring out production, and let private buyers operate under ceilings on normal-cost output, but the government purchasing agents need a lot of missionary work before they can be converted to this doctrine.

Know Your ABC's

You have to know your alphabet to get around Washington these days. Time was when ICC was about the only outfit known by its initials—then FTC—but ever since the New Deal began to expand the government with a bewildering array of capitals punishment, the habit has been spreading, even to some of the pre-FDR agencies. There's no rule about it, however, and a lot of them are never known by their call letters. The defense program has greatly increased the number of alphabetical agencies until a visitor needs a phrasebook to get around—and somebody to tell him which CCC, for example, he wants. The army and the navy have their own jargon of letters in which a civilian quickly goes AWOL, but here are some of the anagrammatical expressions most commonly rolled off Capital tongues:—

AAA——Agricultural Adjustment Administration.
ANMB——Army and Navy Munitions Board.
BACE——Bureau of Agricultural Chemistry and Engineering.
BAE——Bureau of Agricultural Economics.
BIR——Bureau of Internal Revenue.
BLS——Bureau of Labor Statistics.
CAA——Civil Aeronautics Administration.
CAB——Civil Aeronautics Board.
CCC——Civilian Conservation Corps.
CCC——Commodity Credit Corporation.
CEA——Commodity Exchange Administration.
CND——Council of National Defense.
D of J——Department of Justice.
DCB——Defense Communications Board.
DDHC——Division of Defense Housing Coordination.
DPC——Defense Plant Corporation.
EDB——Economic Defense Board.
EHFA—Electric Home and Farm Authority.
FBI——Federal Bureau of Investigation.
FCA——Farm Credit Administration.
FCC——Federal Communications Commission.
FDA——Food and Drug Administration.
FDIC——Federal Deposit Insurance Corporation.
FHA——Federal Housing Administration.
FHLBB——Federal Home Loan Bank Board.
FLA——Federal Loan Agency.
FPC——Federal Power Commission.
FR——Federal Reserve.
FSA——Farm Security Administration.
FSA——Federal Security Agency.
FTC——Federal Trade Commission.
FWA——Federal Works Agency.
GAO——General Accounting Office.
GPO——Government Printing Office.
HOLC——Home Owners Loan Corporation.
ICC——Interstate Commerce Commission.
MLB——Maritime Labor Board.
NACA——National Advisory Committee for Aeronautics.
NDAC——National Defense Advisory Commission.
NDMB——National Defense Mediation Board.
NLRB——National Labor Relations Board.
NYA——National Youth Administration.
OADR——Office of Agricultural Defense Relations.
OCD——Office of Civilian Defense.
OCI——Office of the Coordinator of Information.
OEM——Office for Emergency Management.
OGR——Office of Government Reports.
OI-AA——Office of Inter-American Affairs.
OPA——Office of Price Administration.
OPC——Office of the Petroleum Coordinator.
OPM——Office of Production Management.
OSRD——Office of Scientific Research and Development.
PBA——Public Buildings Administration.
PWA——Public Works Administration.
REA——Rural Electrification Administration.
RFC——Reconstruction Finance Corporation.
RRB——Railroad Retirement Board.
SEC——Securities and Exchange Administration.
SMA——Surplus Marketing Administration.
SPAB——Supply Priorities and Allocations Board.
SSB——Social Security Board.
TVA——Tennessee Valley Authority.
USHA——United States Housing Authority.
WPA——Work Projects Administration.

Phila. Paint Club Funds Heckel Scholarship

The scholarship committee of the Philadelphia Paint, Varnish and Lacquer Association has announced the establishment of a scholarship in chemical engineering at Drexel Institute of Technology, in memory of George Baugh Heckel. For fifty years Mr. Heckel was secretary of the Philadelphia association. He was also secretary emeritus of the National Paint, Varnish and Lacquer Association.

Selection of the beneficiaries of the scholarship will be placed in the hands of the scholarship committee of the Drexel Institute. Applications will be accepted from students in metropolitan Philadelphia who graduated in the upper fifth of their high or preparatory school. The first scholarship appointment will be made for the term starting September 25, 1941, and a new appointment will be made biannually thereafter.

Philadelphia Paint and Varnish Production Club will hold a meeting October 2.

N.Y. Paint Club Names Committee Chairmen

The New York Paint, Varnish and Lacquer Association inaugurated the Fall season with a dinner meeting September 25 in the Hotel Biltmore. Attendance totaled 247 members and guests.

Committee chairmen named to serve during the coming season were:—Trade sales, Ralph H. Everett, Keystone Varnish Company; industrial sales, Paul S. Kennedy, Murphy Varnish Company; program-entertainment, Page N. Hamilton, Harshaw Chemical Company; membership, Samuel Klein, Calco Chemical Company; production, A. E. Horn, A. C. Horn Company; clean-up and paint-up, A. R. DeVos, Breinig Brothers, Inc.; constitution and by-laws, H. M. Howard, Thibaut & Walker Company; credits and collections, Martin B. Weinstock, M. J. Merkin Paint Company; publicity, Maurice W. Butler, *American Paint Journal;* raw materials, D. H. Litter, D. H. Litter Company, Inc.; traffic, J. J. A. Winzenried, Devoe & Raynolds Company, Inc., and transportation, G. Austin Wharry, G. A. Wharry & Co.

It was announced that the annual Christmas party will be held December 19. Members of the New York Paint and Varnish Production Club will be invited to attend.

Dallas Production Club Discuss Petrol Solvents

John R. M. Klotz, of Stanco Distributors, Inc., addressed the Dallas Paint and Varnish Production Club September meeting on "Petroleum Solvents for the Paint Industry." He said that petroleum research has lead to specific products for protection coatings, as naphthenic acid, hydrogenated naphtha, and many other solvents and diluents.

E. E. Metcalf reported that the camouflage paints prepared by A. L. Zinser had been forwarded to the national federation, and that the next defense problem was the coating of chicken wire and osnaburg cloth.

Color System for Painting Machinery Developed

A new color system for painting machinery which reduces eye fatigue and promises to increase production was reported at the Atlanta meeting of the Illuminating Engineering Society September 25. Arthur A. Brainerd, of the Philadelphia Electric Company, and Matt Denning, of the finishes division of the E. I. duPont deNemours & Co., gave collaborative findings of a two-year investigation into "Improved Vision in Machine Tool Operators by Color Contrast," which they said developed surprising results.

Studies of how brightness and contrast in paint colors on machinery combined to increase the accuracy of seeing, thus reducing accidents hazards, providing more comfortable working conditions, and also increasing production were presented in a color motion picture.

Synthetic Resin Shortage Discussed at Louisville Meeting

The September meeting of the Louisville Paint and Varnish Production Club was addressed by John McE. Sanderson, of the American Cyanamid & Chemical Corporation, on "Synthetic Resin in the Present Emergency," who said that shutdowns of three days to three weeks have been caused from lack of formaldehyde or phthalic anhydride. Shortage of formaldehyde, he said, will probably last at least six months more. Other dibasic acids to replace phthallic are being completely used, and are higher in price and do not have the outdoor durability of phthalic, he added.

L. A. Chloupek followed Mr. Sanderson's talk with observations, recommendations and formulations of soft oil varnishes. The properties of the oils were described and the reason for combinations explained. Thinning characteristics were pointed out; likewise, the need for study to obtain desirable drier combinations. Alkali resistance was considered an overemphasized property.

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Wood Preservative Specifications Revised

OPD Washington Bureau
September 24, 1941

Revisions of and additions to the Federal specifications for wood preservatives have been approved by the Director of Procurement in the Treasury Department. The new standards will become effective December 1. They apply to the following preparations and are designated as shown for each:—

Anthracene oil wood preservative for brush, spray, or open-tank treatment—TT-W-531 (superseding part of TT-W-561a).

Celcure (acid cupric chromate) wood preservative—TT-W-546 (new).

Chromated zinc chloride wood preservative—TT-W-551 (new).

Coaltar creosote wood preservative—TT-W-556a (superseding TT-W-556).

Coaltar creosote (crystal-free) wood preservative for brush, spray, or open-tank treatment—TT-W-560 (superseding part of TT-W-561a).

Creosote petroleum solution wood preservative—TT-W-568 (new).

Recommended wood preservative treating practice—TT-W-571b (superseding TT-W-571a).

Wolman salt (tanalith) wood preservative—TT-W-573 (new).

Zinc chloride wood preservative—TT-W-576a (superseding TT-W-576).

Zinc meta-arsenite (ZMA) wood preservative—TT-W-581 (new).

Copies of these specifications may be purchased at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

U.S. Revenue Returns Show Gain in August

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for August, 1941, compared with August, 1940, as follows:—

Taxes Collected

	August 1941.	August 1940.
Coconut, etc., oils processed.	2,696,723.53	2,013,959.33
Distilled spirits, domestic, excise tax $3 per gallon	39,685,730.05	18,846,786.32
Distilled spirits, imported, excise tax $3 per gallon	2,574,647.22	1,471,945.70
Gasoline	38,237,258.57	33,456,935.96
Lubricating oils.	4,604,354.60	5,072,407.90
Matches	3,792.40	2.16
Narcotics, including special taxes	38,360.20	20,974.05
Oleomargarin excise taxes	70,016.37	56,683.77
Oleo margarin special taxes.	164,174.47	169,267.18
Toilet preparations	677,760.50	601,728.37
Transportation of oil by pipeline.	1,175,113.49	382,573.45
Total internal revenue	$474,370,974.73	$482,383,378.76

Quantities Taxed

	August 1941.	August 1940.
Distilled spirits, domestic tax gallons.	12,338,002	6,355,683
Distilled spirits, imported tax gallons.	873,389	522,922
Distilled spirits, rectified, proof gallons.	5,177,874	2,052,931
Oleomargarin, colored, pounds	45,776	20,490
Oleomargarin, uncolored	23,209,308	21,204,216

Hercules Co. Opens New Rosin Plant

A new plant for the production of rosin esters at Hattiesburg, Miss., will be placed into operation early in October by the Hercules Powder Company, Wilmington, Del. The new unit which adjoins the Hercules naval stores plant at Hattiesburg will increase the company's rosin ester productive capacity 60 percent. Construction also will begin immediately at Hattiesburg of an additional unit. With completion of this second unit, rosin ester production facilities at Hattiesburg will be increased another 33 percent.

The new plant will be unique in that it will utilize molten rosin delivered to it by pipeline from the adjoining Hercules naval stores plant. Use of molten rosin will eliminate the packing, cooling, shipping, cracking, and remelting operation in handling rosin.

Originally, the company had planned to move the manufacturing facilities now located at Wilmington, Del., to Hattiesburg. As the shortage of resin became more acute, however, it was decided to continue production at Wilmington at least until all of the additional facilities now planned come into operation next January.

Trade Briefs

Colgate-Palmolive-Peet Company will erect an addition to its Jersey City plant at a cost of $500,000.

A. H. Miller, executive vice-president of the Certain-teed Products Corporation, this city, has resigned.

Corn Products Refining Company, this city, has added to its directorate Harold H. Helm, vice-president of Chemical Bank & Trust Company.

Golden Gate Paint, Varnish and Lacquer Association will hold its annual banquet in the St. Francis hotel, San Francisco, September 26.

Victor Chemical Works, Chicago, stockholders will vote October 18 on a proposal to increase the authorized capital from 750,000 shares to 850,000 shares.

Will & Baumer Candle Company, Syracuse, N. Y., has elected to its directorate O. W. Oberlander. He fills a vacancy created by the death of L. E. Will.

Cities Service Oil Company (Pa.) plans daily shipments by tankcar of 4,000 barrels of Illinois crude to the company's refinery at Petty Island, near Philadelphia, and of 2,000 barrels to its Braintree, Mass., plant.

Browning Drafted by SPAB

OPD Washington Bureau
September 24, 1941

Donald M. Nelson, executive director of the Supply Priorities and Allocations Board, today announced the appointment of Albert J. Browning, of Chicago, as a special assistant to handle various problems in connection with the SPAB program. President of United Wall Paper Factories of Chicago, Mr. Browning left OPM last Spring because of the pressure of his business. He is one of a number of men whom Mr. Nelson is "drafting" for service under SPAB.

Monsanto Issues Bulletin On New Disinfectant

Monsanto Chemical Company, St. Louis, Mo., has just released a new technical bulletin, No. O-3, describing the use and properties of "Santophen 7" as a germicide and industrial preservative. "Santophen 7" is declared to meet the requirements of a satisfactory germicide in a large manner, since it is non-specific, has a high phenol coefficient, has but a faint phenolic odor, will not stain or discolor surfaces to which it is applied, and is noncorrosive to metals.

The compound is a mixture of ortho- and parabenzylphenol, it is stated. Uses suggested for "Santophen 7" are as a disinfectant or enhancing agent in disinfectant compositions, and as an industrial preservative for soybean protein, blood albumin, casein, glues, and other products. A copy of the new technical bulletin may be secured by addressing the Monsanto Chemical Company, mentioning the REPORTER.

Phillip Bros. Adds Cecil to Sales Staff

H. W. Cecil has joined the sales department of Phillip Brothers, chemical manufacturer, importer and manufacturers' agents, this city. Mr. Cecil, who will work out of the main office, will cover the New Jersey and Maryland territories. Long identified with the chemical industry, Mr. Cecil was previously associated with the American Agricultural Chemical Company before organizing five years ago the Cecil Chemical Company, sales agents, Baltimore, Md., which firm he disbanded in order to join Philip Brothers.

Phenestal Shipment Delayed

Shipments of phenestal by the Millmaster Chemical Co., manufacturers' agent for the Berkeley Chemical Co., Berkeley Heights, New Jersey, have been delayed as the result of the recent explosion at its plant, in which R. J. Welge, head chemist was injured. Robert J. Milano, of the Millmaster Chemical Company, stated that every effort was being extended to fill requirements for consumers.

Paint Technology at A.C.S. Meet

Quinone in Polymerization Of Methyl Methacrylate

Hubert N. Alyea, Princeton University.

The rate of quinone formation in hydroquinone-inhibited polymerization was followed for a mixture of methyl methacrylate, benzoyl peroxide, and hydroquinone. At certain concentrations this rate is independent of the hydroquinone concentration, but dependent on the peroxide concentration. This indicates that the hydroquinone does not inhibit by removing peroxide, but, instead, by breaking reaction chains which the peroxide has initiated. The number of quinone molecules formed is thus limited by, and a measure of, the number of chains started.

Similar results were obtained when the polymerization, in the presence of hydroquinone, was initiated by parachlorobenzoyl peroxide, paranitrobenzoyl peroxide, and paratoluyl peroxide.

Color Control of Molybdate Orange

A. J. Currier, Pennsylvania State College.

Molybdate orange or orange pigment is made by simultaneous precipitation of lead chromate, lead molybdate, and lead sulphate. The color (herein designated as "brilliant red") as related to composition, pH, order of precipitation, and addition agents has been investigated.

Composite solutions of sodium bichromate, molybdate, and sulphate approximately equivalent in total anion concentration to the concentration of lead ion in lead nitrate solution, were used. The proportions of solutions used, expressed as volume percentages, and the colors produced are shown on a three-component diagram. Points plotted also represent mole percentages of the three precipitated salts.

In general, the pH after precipitation is low (circa 1.5). Increasing the pH above 2.4 produced lighter shades in the case investigated (80, 10, 10 volume percent of solutions of bichromate, molybdate, sulphate, respectively). Washing the filtered precipitate stabilized the color. Simultaneous but not successive precipitation of the three salts produced the desired color.

A wetting agent added after precipitation stabilized the color, but rendered filtration very difficult. Addition of a colloidal solution of the sodium salt of a sulphonated petroleum oil stabilized the color and the resultant precipitates were easily filtered.

Oxidation Mechanisms Of Conjugated and Unconjugated Compounds

Theodore F. Bradley, Urner Liddel, and David Richardson, American Cyanamid Company, Stamford, Conn.

Marked differences in the oxidation mechanisms of the methyl esters of unconjugated linseed acids compared with those of the conjugated tung acids have been detected by various physical and chemical means. The oxidation of the triple conjugated unsaturated hydrocarbon, alloocimene, has also been investigated because of its similarity to eleostearic esters.

Both conjugated systems oxidized at 25°C. to very high viscosity intermediates in which oxygen was found to have saturated one of the terminal bonds of the conjugated system, leaving two double bonds in conjugated form. These intermediates are unstable and, thereafter, undergo destruction with loss of the conjugated unsaturation and a large decrease of the viscosity. Fractional distillation then yields a major proportion of a stable dimer. These changes appear also to be associated with the ability of alloocimene to form a dry film which shortly thereafter degels and reverts to a liquid intermediate.

The foregoing changes occur with little or no rise of the acid or saponification values. Under the same conditions the unconjugated linseed esters behave quite differently increasing in viscosity only slowly and coincident with a progressive rise of acid and saponification values. The oxidation also occasions the creation of a small amount of conjugated unsaturation.

These and other new experimental observations are described and partially interpreted.

Preparation of 9:10:16-Trihydroxypentadecylamin

Arthur L. Davis and William Howlett Gardner, Polytechnic Institute of Brooklyn.

The presence of hydroxyl groups leads to a number of difficulties when aliphatic hydroxyamines are prepared from substances such as resin acids like aleuritic acid. It has been found that these difficulties can be avoided if the Naegeli modification of the Curtius series of degradation reaction is used for preparing the hydroxyamines. The isocyanates formed in the Naegeli series of reactions can be readily converted to the amines by hydrolysis with concentrated aqueous alkali solutions, thus avoiding any complicating side reactions of the hydroxyl groups.

This paper describes the preparation of 9:10:16-trihydroxypentadecylamine from aleuritic acid. Pure aleuritic acid for this study was isolated from shellac. In obtaining the amine, trihydroxypentadecyl isocyanate was prepared for the first time. It reacted with water and alcohol to produce N:N'-bis-9:10:16-trihydroxypentadecylurea and 9:10:16-trihydroxypentadecylurethane, respectively. These compounds were the same as obtained previously by Nagel from aleurityl azide, except that the urethane was obtained in a more highly purified state.

The 9:10:16-trihydroxypentadecylamine was obtained as minute, colorless crystals, melting at 146° to 147°C. It was soluble in aqueous acid solutions and alcohol, but insoluble in water, diethyl ether, petroleum ethers, ethyl acetate, and aqueous alkali solutions. It gave the characteristic qualitative tests for primary aliphatic amines. It also readily formed an insoluble picrate with picric acid solutions. The 9:10:16-trihydroxypentadecyl isocyanate was a colorless, crystalline solid, melting at 103.5° to 104.5°C. It was soluble in alcohol and dioxane, but practically insoluble in diethyl ether, petroleum ether, and water.

Catalytic Isomerization of Fatty Acids, Drying Oils

Theodore F. Bradley and David Richardson, American Cyanamid Company, Stamford, Conn.

It has been known for some years that during the saponification of drying and semidrying oils with caustic alkalies in alcoholic solvents the unsaturated linkages tended to undergo a permanent shift in their position as evidenced by a substantial increase of absorption in certain regions of the ultraviolet spectrum. Although Edisbury, et al., thought that this indicated cyclization, Moore concluded otherwise, correctly stating that the increased absorption was due to the formation of conjugated double bonds by isomerization and reporting for the first time the production of an eleostearic acid isomer from alkali isomerized linseed acids. This work and the conclusions of Moore were thereafter confirmed by Kass, Miller, and Burr.

Investigations of this laboratory have shown that, contrary to some indications, the polyene fat acids in the form of their alkali metal soaps and in the presence of as little as 2 percent excess of alkali metal can be efficiently isomerized in aqueous solution at temperatures in the range of 180° to 300°C. and under the autogenic pressures thereby generated. By the use of autoclaves commercial production becomes feasible. Products which are more highly conjugated than present commercial grades of dehydrated castor oil have been made for soybean and linseed oils and have enabled the production of improved drying oils and resins.

Relative Viscosity from Stormer Data

John A. Geddes and David H. Dawson, Krebs Pigment & Color Corporation, Wilmington, Del.

The Stormer viscometer has been used extensively to measure the consistency of paints and allied products. Values have been expressed to date by simply giving the weight-time relationship, or in "Krebs units" read from a weight-time chart.

Calibration of the Stormer in fundamental viscosity units was therefore undertaken. The new type of submerged paddle, which possesses definite advantages over the older forked type, particularly in reproducibility of reading, was employed. This paddle can be used on any Stormer instrument without separate calibration.

The consistency of five viscous oils, varying from 6 to 34 poises, has been determined over a wide range of applied force, using the new submerged paddle. It has been found possible to relate the viscosity to the weight-time values obtained, by application of a simple correction for the kinetic energy loss (similar to that found necessary on the Bingham capillary tube viscometer). This can be expressed by the formula.

$$V = \frac{\frac{K}{t(F - t^2)}}{A}$$

where V is the viscosity in poises, t is time in seconds, F is applied weight in grams, and K and A are true constants over the range of viscosity covered. This corresponds to a consistency range including lightly pigmented enamels to heavy flat paints.

Since paints in general are plastic, rather than viscous, application to the determination of yield value and mobility is under consideration.

Thinning Step in Varnish Manufacture

W. P. Colio, N. T. Phelps, W. T. Harvey, S. S. Kurtz, jr., and cooperators, mineral spirits committee, Philadelhpia Paint and Varnish Production Club.

A quantitative study of the thinning step in varnish manufacture on plant-size batches is very difficult because of the practical impossibility of controlling all essential factors within the desired limits. Laboratory studies of the relative merits of various solvents available for the thinning of varnishes have been greatly handicapped by the lack of suitable equipment and procedures. In the past, investigators have resorted to studies of cold cuts in an effort to obtain some indications of the properties of various varnish solvents. This procedure, however, differs so widely from actual practice that the practical significance of the results obtained may be very uncertain. A quantitative laboratory procedure simulating plant conditions is sorely needed. Such a method and the necessary apparatus have been developed and are described in some detail.

Flooding of Chrome Green Paints

A. E. Newkirk and S. C. Horning, Krebs Pigment Department, E. I. du Pont de Nemours & Co., Newark, N. J.

A reproducible, semiquantitative method for studying the flooding of paints containing chrome greens was developed and used for determining the factors influencing flooding in an alkyd system. It was found that careful control of consistency, film thickness, film support, and drying conditions was essential to obtain reproducible results. A set of grading standards was prepared utilizing the effect of consistency on flooding.

The most important factor influencing the flooding of paints made at the same consistency was variation between batches of vehicle, apparently due to variation in the water content.

Different lots of the same type of chrome green pigment gave paints showing the same amount of flooding, but different types of chrome greens gave different results, the least flooding being obtained with the yellow tint type.

Flooding can be controlled in some cases by the use of treating agents. In the system investigated, soya lecithin was found to reduce flooding in the proportion to the amount added.

Characteristics of High Polymers

H. Mark, Polytechnic Institute of Brooklyn.

It is generally acknowledged that the elastic behavior of high polymers is of a rather composite nature. In order to understand it, it seems to be appropriate to attempt to resolve the total process into its different elementary steps. In the case of rubber, it is probable that at least four different elementary processes cooperate in order to produce the actual behavior of the material.

At very low stresses, the Van der Waals cohesion of the different segments in the curled-up chains is vercome and the chains are brought into a more extended state. This type of elasticity has been first emphasized by E. Mack.

The kinetic elasticity of long-chain molecules is due to the fact that the extended state is less probable than a state of intermediate curl-up.

While the alignment of the chains takes place, molecular attraction between different chains causes crystallization.

The crystallized phase has a certain amount of elasticity which is characterized by a high elastic modulus.

In the paper presented, an attempt is made to coordinate the above-mentioned elementary processes and to propose an explanation for the stress-strain curve of high polymers consisting of long-chain modulus.

Electrical Properties Of Polar Polymers

Raymond M. Fuoss, General Electric Company, Schenectady, N. Y.

The polar polymers so far investigated show two maximums in absorption as a function of temperature at fixed frequency. The mechanism underlying the low-temperature maximum is at present unknown, but the high-temperature maximum can be completely described in terms of dipole orientation. Several marked contrasts to polar liquids appear: the absorption, as a function of frequency, is much broader than that of the corresponding monomer, and appears at very much lower frequencies. Further, the static dielectric constant is always higher for the polymer. The width of the absorption maximum indicates that a distribution of relaxation times is involved; physically, the distribution corresponds to a time average over the many orientations produced by flexible chain structure of the polymer. For polyvinyl chloride and polyvinyl acetate, the most probable relaxation time, about which the distribution centers, is shown to be proportional to the degree of polymerization.

The time of relaxation is proportional to the internal viscosity of the plastic, as is shown by a comparison of d.c. and a.c. properties for polyvinyl chloride systems and for polyvinyl chloroacetate. The high viscosity causes the peak absorption to appear at relatively low frequencies. Temperature and plasticizer content are the chief independent variables which control the internal viscosity, and hence the location of the maximum loss factor. The temperature coefficient of the internal viscosity of plastics leads to an associated energy of the order of 30 to 60 kcal, depending on the polymer and the nature and amount of plasticizer. The shape and size of the plasticizer molecule also influence the loss factor and dielectric constant.

The moments mu per monomer unit are independent of the degree of polymerization. For dilute polyvinyl chloride systems, $mu = 1.7 \times 10^{-18}$; for unplasticized polyvinyl acetate, $mu = 2.3 \times 10^{-18}$; and for the chloroacetate $mu = 4.9 \times 10^{-18}$. These values agree with moments calculated from those of the corresponding monomers in the gas phase. The fact that the polymers have static dielectric constants much larger than those of the monomer in the liquid phase is explained on the basis of suppressed association in the polymer. In the monomer, the dipoles

are on molecules which are mechanically independent, and hence free to rotate in each other's fields, but in the polymers, the dipoles are held to the chain by primary valence bonds and free orientation, which causes mutual compensation of moments, is no longer possible.

Effect of Temperature On Polystyrene

H. K. Nason and R. F. Hayes, Monsanto Chemical Company, Plastics Division, Springfield, Mass.

The tensile, flexural, and impact properties of several types of polystyrene injection-molded under carefully controlled conditions were studied at temperatures from 75° to +110°C.

A critical "transformation" point was observed in all cases at about 80° to 85°C. At this point polystyrene passes from a hard, glasslike solid to a ductile plastic. This transformation point in mechanical properties coincides with the inflection point in the density-temperature curve reported by Patnode and Scheiber and by Ueberreiter and his coworkers.

At 100° to 110°C. polystyrene changes gradually from the ductile to a rubbery state. This rubbery condition continues up to at least 175°C. without conversion to a fluid state.

As the temperature is reduced below the transformation point, both tensile strength and elongation of polystyrene increase, and this trend, which is indicative of increased toughness at lower temperatures, continues down to at least —75°C. A similar relation holds for flexural strength and deflection.

Impact strength data confirm that polystyrene is tougher at low temperatures than at room temperature or at temperatures just below the transformation point.

Commercial uses which take advantage of the low-temperature toughness of polystyrene are cited.

Progress in 'Synthetic Rubbers'

Howard I. Cramer, Sharples Chemicals, Inc., Philadelphia.

The development of synthetic rubberlike polymers is being accelerated greatly by the national defense emergency. The annual production of these new materials so vital in defense has now increased to the point where it can be expressed in tens of thousands of tons.

Formerly the application of the synthetic rubbers depended upon their superiority in some specific respects over natural rubber. With the completion of the new plants now planned and under construction, sufficient of the synthetic product should become available, so that attention can be given to those tonnage applications involving simple replacement of the natural product.

Over a score of synthetic elastic polymers have been produced on a commercial scale. The present paper will be limited to a review of the raw materials required, the commercial syntheses, applications, and costs of the polymers of butadiene or derivatives, the alkylene polysulphides, and the plasticized polyvinyl chlorides.

The production capacity of synthetic rubber plants in the United States, built and in the course of construction, will be discussed.

Vinylidene Chloride Plastics

W. C. Goggin and R. D. Lowry, The Dow Chemical Company, Midland, Mich.

Vinylidene chloride plastic as a new and unusual material is discussed from the standpoint of history, chemical and physical structure, outstanding characteristics, methods of fabrication, and applications.

These resins differ from familiar plastic materials in that they exhibit crystallinity. This crystallinity is demonstrated by x-ray diffraction patterns. While presenting some mechanical problems, the control of this crystallinity offers a wide range of properties and unique fabrication techniques.

The extrusion and continuous orientation of vinylidene chloride plastic is now a commercial accomplishment. Injection molding of these resins, along with control of molding properties, is presented for the first time.

Applications are cited illustrating some fabrication methods as well as the unusual characteristics of chemical inertness, water resistance, high strength, toughness, and abrasion resistance.

Crystallinity of Cellulose Esters

W. O. Baker, C. S. Fuller, and N. R. Pape, Bell Telephone Laboratories, Summit, N. J.

Cellulose triacetate, cellulose tributyrate, and a cellulose acetate-butyrate high in acetyl containing 0.2 mole of free hydroxyls per glucose anhydride are highly crystalline when allowed to solidify near their melting points. When the melts are quenched, for example, at 200 below the fusion temperatures, x-ray patterns indicate highly disordered configurations of the chains, showing especially disorganization in directions perpendicular to the long axes. Such heat treatment can thus produce all states of the cellulose chain from the highly crystalline to the highly amorphous, and the latter are stabilized in the solid by the high interchain forces, rigidity, and, for the partial ester, hydrogen bonding, expected from the cellulose structure.

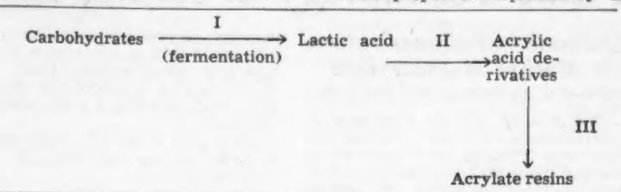
Amorphous configurations are converted in the solid state to crystalline by temperatures sufficient to give chain segments the kinetic energy requisite for rotation into the lattice arrangement. This process resembles the behavior of the linear polyamides. [Fuller, Baker and Pape, *J. Am. Chem. Soc. 62*, 3275 (1940)]. The crystallization of the quenched materials is a rate process with a considerable temperature coefficient. The latter was investigated by photometer intensity measurements of the Debye-Scherrer patterns produced by annealing for successively increasing times at each of several temperatures. The temperature coefficients reflect structural differences—that is, the partially internally plasticized tributyrate is converted from amorphous to "completely" crystalline in 20 minutes at 150°C., the triacetate requires three hours at 200°C., while the hydrogen-bonded acetate-butyrate is not changed below its softening point by heat alone. Further information on the forces in the solid ester is gained by the comparison that while a strong hydrogen-bonding agent, water, converts the acetate-butyrate in three hours at 100°C., five hours are required for the triacetate under the same conditions. Solvent vapors readily crystallize all of the quenched solids.

The results indicate a surprisingly large degree of rotatory motion of segments in cellulose ester chains at relatively low temperatures. Elastic properties of swollen cellulose and cellulose derivatives may thus be understood as the result of ginetic chain kinking. The critical importance of even small amounts of residual hydrogen bonding in cellulose derivatives in increasing chain cohesion is directly shown by the diffraction results. Likewise, the action of plasticizers in reducing interchain action probably depends specifically on the neutralization of two different types of forces. The first are hydrogen bonds which are relatively long range, probably falling off as $1/r^3$, and dispersion forces from the chain skeleton, falling off as $1/r^6$. Substitution of longer chain acyl groups reduces especially these latter forces.

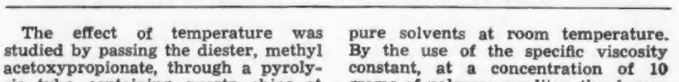
Methyl Alpha-Acetoxypropionate Into Methyl Acrylate

Lee T. Smith, C. H. Fisher, W. P. Ratchford, and M. L. Fein, Eastern Regional Research Laboratory, Philadelphia, Pa., Bureau of Agricultural Chemistry and Engineering, United States Department of Agriculture.

The carbohydrates in several abundant, domestic, and annually reproducible agricultural commodities can be converted into the commercially important acrylate resins—through lactic acid as an intermediate—by the steps outlined below:—



Since step II in the above series has received little attention and is the only step not in commercial operation, the conversion of lactic acid into acrylic acid and its derivatives is of practical interest and is being studied extensively in the Eastern Regional Research Laboratory. This paper describes the results obtained in an investigation of the pyrolysis of methyl alpha-acetoxypropionate (in which both the functional groups of lactic acid are esterified) and the effect of temperature, contact time, contact materials, and other variables on the yields of the desired product, methyl acrylate, and the by-product, acetic acid. The reaction may be indicated as follows:—



The effect of temperature was studied by passing the diester, methyl acetoxypropionate, through a pyrolysis tube containing quartz chips at contact times of approximately three seconds. At temperatures below approximately 470°C., most of the diester was recovered and only low yields of methyl acrylate and acetic acid were obtained. From 470°C. to approximately 560°C., the yields of methyl acrylate and acetic acid increased rapidly with increase in temperature until more than 80 percent of the reagent was converted into methyl acrylate in one pass.

The effect of contact time up to about forty-five seconds was investigated at 450°C., 500°C., and 550°C. At 450°C. and 500°C. the yields of methyl acrylate and acetic acid increased with increase in contact time. Contact times longer than a few seconds appear to be undesirable at tempertures above 550°C.

Products other than methyl acrylate and acetic acid were not found by distillation analysis and therefore the thermal decomposition of methyl acetoxypropionate at 400°C. to 600°C. over relatively inert contact materials, such as quartz, appears to follow almost exclusively equation IV given above.

A study of the effect of the contact material showed that both quartz and Pyrex glass are satisfactory and of approximately equal effectiveness. At comparable temperatures alumina was found to be more active and to yield undesirable by-products and decreased amounts of methyl acrylate.

Solvents and Plasticizers For Chlorinated Rubber

J. W. Raynolds, Mellon Institute, Pittsburgh, and M. R. Radcliffe and M. R. Vogel, Binney & Smith Company, Easton, Pa.

A brief historical introduction describes various types of halogenated rubber, including the Raolin chlorinated rubber developed at Mellon Institute. The early investigations disclosed a lack of sufficient comprehensive data on solvents and plasticizers for use with chlorinated rubber. These data are presented under the following headings:—

1. Solvents for chlorinated rubber.
   a. Solvents and nonsolvents.
   b. Border-line cases.
   c. Strength of solvents as determined by dilution ratio and viscosity.
   d. Strength of diluents or nonsolvents as determined by the tolerance ratio and their effect on viscosity.
2. Plasticizers for chlorinated rubber.
   a. Solvent plasticizers as determined by their dilution ratio.
   b. Limited compatible plasticizers as determined by their tolerance ratio.
   c. Unlimited compatible plasticizers.
   d. Loading ratios of plasticizers.
   e. Film properties imparted by a representative group of plasticizers.

A series of tables is presented showing the dilution ratios of various solvents. There is included a discussion of the viscosity of solutions versus concentration in various solvents; also a discussion of blending different viscosity materials.

Solubility of Polybutene In Pure Solvents

H. C. Evans and D. W. Young, Standard Oil Company of New Jersey, Bayway, N. J.

A limited study has been made of the solubility of polybutene in sixty pure solvents at room temperature. By the use of the specific viscosity constant, at a concentration of 10 grams of polymer per liter, the degree of polybutene solubility has been calculated for thirty-four solvents.

The viscosity of a number of the polymer solutions over the approximate concentration range of 10 grams to 80 grams per liter has been measured. Log *N* has been found not to be a linear function in the higher concentration ranges of polybutene when determinations were made by the Ubbelohde viscometer method.

A table is given showing that pure solvents having dielectric constants greater than about eight at room temperature will not dissolve high molecular weight polybutene.

Raw Materials Replacements

H. A. Gardner, Scientific Section, National Paint, Varnish and Lacquer Association, Washington.

Changes in paint formulations are widely and sometimes rapidly becoming necessary because of dwindling supplies of materials. The effects of shortages are being mitigated by the modification of governmental specifications. Manufacturers are finding it practicable to work well for example with modified phenolic resins without tung oil. There is a general investigation of possibly wasteful uses of various materials. Such things as alkyd in the Federal specifications for olive drab primer and top coat are unnecessary.

Drying oils offer a particular problem. The coming supply of linseed oil is of good volume and high iodine number. The tung oil distribution system assures some oil for all who need it, and the situation is not too bad. An increase of 25 percent in imports of castor beans from Brazil promises more dehydrated castor oil and a substantial replacement of tung oil. Supplies of oiticica oil are increasing, but are handicapped by inadequacy of storage in collecting centers. A large proportion of soybean oil is going into the paint industry; domestic production is increasing; chemical treatment of the oil is providing an excellent drying vehicle. Soybeans are easy to grow in this country. Castor plantings at present are expected to provide good seed for 200,000 acres.

Alcohols are scarce—domestic production could be doubled if the country's moonshine stills were devoted to it. Benzol situation is not too bad; toluol is tight; xylol is in bad situation. There is increasing use of solvent naphtha which is in fairly good supply. Plasticizers are scarce because of the enormous consumption in the manufacture of smokeless powder. Priorities are likely to become more and more prevalent; may reach unnecessaries.

Paint, Varnish, Lacquer Materials

Raw Materials Shortage Occasions Advance in Colors—Stearates Higher — Varnish Gums Replacing Synthetic Resins in Many Quarters—Turpentine Stronger, Rosin Irregular

Prices in various sections of the raw paint materials market were pushed upward last week, a direct consequence of the increasing cost of basic materials and the expanded needs of the defense effort. The advances were not unexpected, the shortages of major paint products, noted for the past several months, having given ample warning that such moves would be made.

Prominent among the increases were boosts in quotations on various chemical colors. Included were lithol toners, toluidin toner, regular and concentrated peacock blues, iron blues, except potash blue, and chrome greens and yellow. An advance in Spanish red oxide is anticipated. Also advanced were prices on various stearates which had been strong for the past several months.

The situation in synthetic resins became more acute, and many consumers were using natural resins as replacement material. Varnish gums were in good demand. Fractional advances were made in Batavia gums, Singapore gums, and two grades of copal. Casein was tight but unchanged. Turpentine was fairly active at a further advance. Rosin prices were irregular, changes generally being within moderate limits. The government remained in the market as a seller. Primary receipts were moderate.

Metallic Lead and Zinc

Developments in the market for pig lead were uneventful during the period under review. Transactions were at previous levels. Price was steady at St. Louis and New York. Demand was well ahead of supply. The market for slab zinc continued very tight, with the trade still concerned with a possible price rise. No price action developed during the week, however.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from September 20 to September 26, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from September 20 to September 26, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pig Lead

Stocks of refined lead in the United States at the end of August totaled only 15,330 tons, a new low, and off 3,842 tons from the 19,172 on hand at the end of July. On the basis of August deliveries from United States refineries, which amounted to 55,005 tons, a gain of 938 over the July total of 54,067, stocks on hand at the end of August were equal to less than a week's supply. These figures do not take into account use of foreign lead being allocated to United States consumers. Such allocations totaled 22,000 tons in July, 28,000 in August and 30,000 in this month.

Production of United States refineries during August increased 3,000 tons, totaling 51,157, against 48,157 during July. This increase, however, was more than accounted for through production derived from secondary and foreign material, which items made up 12,057 tons of the total, compared with 6,941 in July, a gain of 5,116. Output from domestic ore was 39,100 tons in August, against 42,048 in July.

Imports of lead in pigs and bars during July totaled 11,617 tons, compared with 14,673 in June and 21,959 in July, 1940. In the first seven months this year imports were 111,557 tons, against 108,129 in the same period last year. July exports of pig lead totaled 605 tons, compared with 256 in June and 1,173 in July, 1940.

Price Changes

Advanced

Blue, Chinese, 3c. per lb.
Milori, 3c. per lb.
Peacock, concentrated, 21c. per lb.
regular, 19c. per lb.
Prussian, 3c. per lb.
Green chrome, CP, 2c. per lb.
reduced, ½c. per lb.
Gum, copal, Hiroe, ¾c. to ⅞c. per lb.
Rasak, ⅞c. to 1½c. per lb.
dammar, Batavia, 1⅜c. to 4½c. per lb.
Singapore, ¾c. to 2¼c. per lb.
Red, lithol toners, 5c. per lb.
toluidin toner, 15c. per lb.
Rosin, gum, dark, 2c. per 100 lbs.
Stearates, 2c. to 3c. per lb.
Turpentine, gum, 3c. per gal.
Yellow, chrome, 1½c. per lb.

Reduced

Rosin, gum, med., pale, 2c. to 7c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
137.9	129.8	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

Pigments

Antimony White.—Spot offerings curtailed. Contract ordering normal. Shipments regular. Prices steady.

Blue Lead.—Heavy call. Price firm.

Flake White.—Routine movement. Quotation unaltered.

Litharge.—Battery makers' demands maintained at previous level. De-

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☐ ETHYL ACETATE
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☐ DIBUTYL PHTHALATE
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ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
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RESINS THAT FIT THE JOB

mand running ahead of available supply. Stocks still ample for ordinary needs. Prices firm and unchanged.

Lithopone.—Market very tight. Very small amounts moving to non-defense industries. Prices unchanged.

Orange Mineral.—Movement well maintained. Inquiries at good level. Offerings somewhat limited. Prices steady.

Red Lead.—Demand running ahead of available supply. Contract ordering usually accommodated. Spot market tight. Prices firm and unchanged.

Titanium Pigments.—Situation unchanged. Conditions critical. Defense requirements increasing. Civilian requirements being progressively curtailed. Prices steady and unrevised.

White Lead.—Demand large. Offerings limited. Prices steady.

Zinc Oxides.—Situation unchanged. Further governmental restrictions possible. Prices unchanged and firm.

Fillers and Extenders

Asbestos.—Demand large. Market tight. Prices showing strength.

Asphaltum.—Deliveries well maintained. Offerings normal. Contract call routine. Prices unchanged and firm.

Barytes.—Deliveries on contract heavy. Movement increasing. Fair spot offerings. Demand large. Prices steady.

Blanc Fixe.—Market tightening further. Offerings limited. Prices strong.

China Clay.—Large demand for both domestic and imported materials. Deliveries reaching good totals. Prices steady.

Diatomaceous Earth.—All grades in fair call. Prices firm.

Fullers Earth.—Movement maintained at previous levels. Buyers evidencing satisfactory interest. Quotations unaltered.

Graphite.—Consumption running far ahead of last year. Market situation above normal. Price firm. Demand good.

Gypsum.—Satisfactory buying interest reported. Prices firm.

Mica.—Offerings not made freely. Some tightness reported. Contract call normal. Prices steady.

Whiting.—Large buying interest. Prices firm.

Driers

Prominent producers of stearates last week advanced prices 2c. per pound for alumina and calcium types and 3c. per pound for zinc and magnesium. New quotations were:—Alumina, 23c. per pound for car lots, 24c. for smaller amounts; calcium, 26c. for one ton, 27c. for less; magnesium, 31c. for one ton, 32c. for less, and zinc, 30c. for one ton and 31c. for less.

Naval Stores

The turpentine situation continued to be characterized by a firm tone, the trend of prices being upward at times. Rosin showed irregularity as offerings of some grades were larger than expected. Business was fairly active and the indications continued to point to a steady and liberal movement into domestic consuming channels. Estimates of consumption for the year are in some instances being revised upward, especially in the case of rosin. Receipts in Southern markets were moderate. The government remained in the market as a seller of both turpentine and rosin although supplies of the former commodity are believed to be small and steadily diminishing.

It was announced from Washington that the CCC has made available 5,550,960 pounds of rosin for disposal under the Lend-Lease Act. An amendment to the marketing agreement for 1941 was proposed which would permit the sending abroad of 1939 rosin in barrels in addition to 1938 supplies and the opinion existed in some quarters that this plan would meet with the approval of many members of the trade, especially as it would be reflected in a more rapid reduction of supplies than would otherwise occur and therefore have a tendency to strengthen the market in the long run.

There was an impression among some that the price agreed upon by the government for its recent purchases of turpentine for shipment to Britain was around 82 cents per gallon on the average and that the amount secured was in the neighborhood of 22,000 barrels. Reports of increasing shortage of labor for the needs of producers were again heard and in some quarters the opinion was held that the labor situation is such that there is little likelihood of any important increase in production next season despite the recent suggestion from government sources that efforts be made to enlarge the output by as much as 40 percent.

The tentative 1942 naval stores conservation plan was approved at the annual meeting of the producers association held at Jacksonville on September 23. It is expected that the plan which provides for the working of faces in 1942 of equal to 80 percent of the base will be approved by the government.

Turpentine.—The local market was fairly active. Consumers were not disposed to anticipate to any extent but orders for small or moderate lots were received in a fair volume. The market was firmer, influenced by a further advance in the South.

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Savannah, Sept. 26.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Re-ceipts.	Ship-ments.	On hand.
Saturday*	...	...	...	...	...
Monday	74	9,250	36	55	18,153
Tuesday	72	12,800	425	57	18,521
Wednesday	72½	5,700	222	...	18,743
Thursday	73¼	1,300	86	66	18,763
Friday	73¼	5,050	167	32	18,898

* No trading.

Jacksonville, Sept. 24. — Turpentine stock 12,736 barrels.

Pensacola, Sept. 20.—Turpentine stock 19,757 barrels.

Chicago—Sept. 26

Turpentine active and firm. Five-drum lots, 84c. per gallon; five wood barrels, 89c.; single drums, 87c.; single barrels, 92c.

London, Sept. 26.—Turpentine 68s. 6d. per cwt.

Rosin.—The local market for rosin was irregular in company with the course of quotations in the South where offerings of some grades were larger than expected. Business here was of a conservative character, the demand for moderate lots being reported as fairly active.

SAVANNAH, Sept. 26.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$2.48	$2.50	$2.50	$2.50	$2.50
D	...	2.57	2.59	2.55	2.54	2.54
E	...	2.57	2.59	2.55	2.54	2.54
F	...	2.59	2.59	2.55	2.54	2.54
G	...	2.59	2.59	2.57	2.54	2.52
H	...	2.59	2.59	2.56	2.50	2.47
I	...	2.59	2.59	2.57	2.50	2.47
K	...	2.59	2.59	2.57	2.50	2.47
M	...	2.70	2.69	2.59	2.62	2.62
N	...	2.70	2.70	2.62	2.64	2.65
WG	...	2.89	2.89	2.75	2.82	2.85
WW	...	3.04	3.04	2.85	2.97	3.00
X	...	3.04	3.04	2.85	2.97	3.00
	Barrels					
Sales	...	1,365	256	450	428	882
Receipts	...	562	908	604	302	529
Shipments	...	689	424	100	766	1,564
Stocks	...	...	...	...	...	114,689

* No trading.

Jacksonville, Sept. 24.—Rosin stock 282,493 barrels.

Pensacola, Sept. 20.—Rosin stock 50,266 barrels.

Chicago—Sept. 26

The rosin market continues firm. Business active. Five drum lots, B grade, $3.80 per 100 pounds net; G grade, $3.89; M grade $3.90; W.W. grade, $4.34.

London, Sept. 26.—Rosin, W.W., 30s. per cwt.

Other Naval Stores

Pine Oil.—Steady inquiry from local and other consumers. Spot stocks remain light. Market firm.

Pitch.—Quotations maintained. Tone firm. Demand continued good.

Rosin Oil.—Trade more active owing to recent upturn in raw material. Market firm.

Tar.—Steady contract movement. New business good. Tone firm.

Dry Colors

Alkali Blue.—Demand large. Few offerings. Price steady.

Bone Blacks.—Satisfactory movement. Demand heavy. Shipments regular. Prices unchanged.

Carbon Blacks.—Market buoyed by government buying. Slackening of volume moving to rubber industry. Trade well maintained, however. Prices firm with no indications of a last quarter change.

Chrome Colors.—The raw materials situation, which had been bothering manufacturers of these colors since the government began buying large tonnages of the base metal, resulted in advances last week. CP greens were boosted 2c. per pound and the reduced greens ½c. per pound. Chrome yellows were hiked 1½c. per pound.

Iron Blues.—Chinese, milori and Prussian blues were advanced 3c. per pound to 36c. Potash blue remained unchanged. Demand was large and material was not offered freely. Contract movement was good.

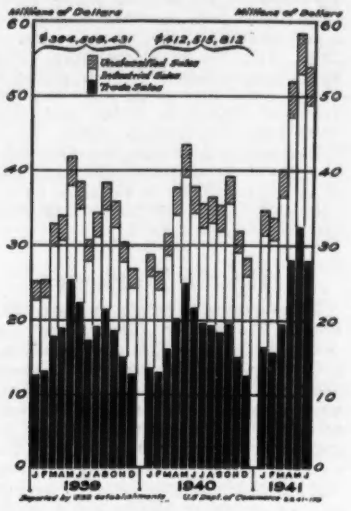
Lithol Toners.—The ordinary grade was advanced 5c. per pound to 60c. Demand was heavy, with few spot offerings.

Peacock Blue.—Contract price of concentrated material advanced 21c. per lb. to 75c. Regular increased 19c. per pound to 54c.

Spanish Red Oxide.—A ¼c. per pound advance is expected in this color within the next few weeks. Demand good.

Toluidin Toner.—Advanced 15c. per pound to $1.20.

PAINT, VARNISH, LACQUER AND FILLER SALES IN U.S.



Ultramarine Blue.—Contract call normal. Prices firm.

Vermilion.—Despite the fluctuations in the market for quicksilver, prices on English vermilion were steady and unchanged last week.

Lacquer Materials

No further price adjustments made their appearance in the market for lacquer materials and solvents last week. Price ceiling, effective September 29, for various grades of acetic acid was expected to have some affect in keeping production costs of various acetates in line. Defense buying was the all important factor in creating scarcities of practically all important solvents. Large quantities of acetone, butyl acetate, dibutyl phthalate, ethyl acetate, methylethyl ketone and tricresyl phosphate moved directly or indirectly for this purpose. What quantities were available for regular contract consumers in non-defense industries continued to be allocated.

Acetone. — Defense needs takings large quantities, business allocated for civilian needs. Prices firm.

Butyl Acetate.—Offerings limited. Prices held at previous levels.

Cellulose Acetate.—Shipments moderately active. No change occurred in the prices.

Dibutyl Phthalate.—Bulk of material going direct or indirectly into defense. Prices rule firm.

Ethyl Acetate. — Situation tight. Pricewise a firm tone prevailed.

Methylethyl Ketone. — Supplies scarce, and offerings usually limited. Prices lacked change.

Tricresyl Phosphate.—Priority orders continued to dominate market. Prices rule firm.

Shellac

The local shellac market continued to be busy last week and sales volume showed the effect of a return of buyers who in the latter part of the Summer had traded infrequently. Prices were generally steady to firm on spot despite the fact that they were possibly a shade easier in Calcutta. The outlook was for a probable increase in the use of shellac due to the growing shortages in materials which in the past had either replaced shellac or which had brought about some curtailment of sales in favor of partial substitutes.

Glues and Binders

Casein.—The market was unchanged last week, with prices remaining very firm at previous levels. Demand continued to outstrip production and stocks were depleted further.

Glues.—Nominal prices prevailed. Few offerings due to extreme scarcity of both hide and bone grades. Demand fairly large.

Synthetic Resins

Various products in this field continued to grow scarcer during the week, with civilian consumers unable to obtain adequate supplies. Many were turning to use of natural resins as replacement. Ester gum remained very tight and strong.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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MAPICO Pigments make tough, durable paints, and national defense paints *must* be tough and durable. Being pure oxides of iron, these pigments contribute exceptional resistance to color changes under all conditions of weather. They withstand abrasion and wear to a remarkable degree. They give high coverage in any standard vehicle.

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Varnish Gums

Copals.—Moderate advances were recorded in Rasak and Hiroe types. Pale Rasak bold and pale Rasak nubs were advanced 1½c. per pound to 22⅜c. and 17¾c., respectively. Pale chips were boosted ⅞c. per pound to 12⅜c. Pale Hiroe bold was advanced ⅞c. per pound to 15¾c. and nubs were increased ⅜c. to 12⅜c.

Dammars.—Advances were recorded in all Batavia gums, the increases ranging from 1⅝c. to 4½c. per pound. Singapore gums were advanced from ¾c. to 2¼c. per pound.

Resale Markets

Transactions in resale markets were believed extensive during the past week as raw materials continue to become less and less available. Prominent in the reports of second-hand negotiations were various lacquer solvents, titaniums, zinc oxides and chrome colors. It was known that various synthetic resins were changing hands at sharply higher prices, but no line on these figures could be obtained.

Blanc Fixe.—Transactions reported at $75 to $77 per ton, with only small lots changing hands.

Chrome Colors.—Tightness in the basic metal made these colors lucrative products in the resale market. Second hands' offerings at 6c. to 8c. per pound higher than producers' prices.

Lacquer Solvents.—Resale prices reported were: Acetone, 15½c. to 20c. per pound; butyl acetate, 19c. to 21c.; butyl alcohol, 18c. to 20c.; dibutyl phthalate, 45c. to 55c.; methyl ethyl-ketone, 18c.; ethyleneglycol, 30c. to 35c.; ethyleneglycol monobutyl ether, 25c. to 35c., and tricresyl phosphate, 45c. to 55c.

Slab Zinc.—Resale transactions at as high as 16c. per pound were rumored in the trade last week.

Stearates.—Transactions reported at about 5c. per pound above producers' prices.

Titanium Pigments.—Titanium dioxide reported available at 30c. to 35c. per pound.

Zinc Oxides.—What there was available has been purchased for 23c. to 24c. per pound.

Hults Made President Of New Plastics Firm

Philadelphia, Sept. 22, 1941

Formation of the Universal Moulded Products Company by merger of three firms engaged in the manufacture of moulded plastic compounds for use in airplanes, marine and industrial structures, was announced today by Arthur E. Pew, jr., vice-president of the Sun Oil Company, who, with associates, holds controlling interest in the new concern, of which Eugene A. Hults, former vice-president of the Mathieson Alkali Works, will be president.

The consolidated companies are the Monocoupe Aeroplant & Engine Corporation, the Bristol Aircraft Corporation and the Bristol Aircraft Products, Ltd., of Canada. The new corporation, with executive offices at 570 Lexington avenue, New York City, will have plants at Bristol, Va.; Orlando, Fla., and Belleville, Ont.

Balto. Paint Club Elects Whitescarver President

Baltimore, Sept. 23, 1941

The Baltimore Paint, Varnish and Lacquer Association held its first meeting of the Fall season at the Hillendale Country Club September 19. Officers were elected. George W. McCreighton, of the Office of Production Management, addressed the meeting on "Priorities and Defense."

The election of officers resulted in the choice of James F. Whitescarver, of the U. S. Industrial Chemical Company, as president; Leon S. Hanline, of Hanline Brothers, as vice-president; Arthur L. Franklin, of the Pittsburgh Plate Glass Company, as secretary, and Alfred S. Day, of the Spencer Kellogg Company, as treasurer. C. Burch Athey, of the C. M. Athey Paint Company; H. Braith Davis, of the H. B. Davis Paint Company, and Leon S. Hanline, were chosen as delegates to the national convention to be held next month.

Books You Can Use

Decolorizing Carbon

Active Carbon, The Modern Purifier. By John W. Hassler, Cloth; 159 pages, 6 by 9 inches. New York: Industrial Chemical Sales Division, West Virginia Pulp and Paper Company. $1.

A comprehensive discussion of the commercial applications and the knowledge now in existance concerning the decolorizing types of active carbons is presented in this volume. It represents the fourth revision of such published matter, the first edition having been issued in 1930. Through the revisions there has developed an organized text, in which is collected the knowledge now available relative to decloroizing carbon. An extensive bibliography forms an important part of the book.

In general the work consists of six divisions. The first section relates what active carbon will accomplish and the manner in which it may be used. A more detailed discussion of these topics is then presented in the second division of the volume. The third division reviews the various basis principles of the subject and was intended for the investigator studying the application of decolorizing carbons in new fields or seeking improvements in their application in existing fields. The fourth portion discusses methods of evaluation, and the fifth section consists of the extensive bibliography. The final division of the volume describes the various qualities of "Nuchar" active carbons and their applications to the products discussed in the earlier sections of the work.

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Prices, owing to our enormous production, very attractive.
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Oil Color Division Cleveland, Ohio

Current Market Quotations

—Continued from page 22

W

Wahoo bark, bls.	lb.	.40 -	.41
tree	lb.	.19 -	.22
Wattle bark, bgs., f.a.s.	ton.	41.00 -	43.00
Extract, solid, bgs.	lb.	.0460-	.04475
liquid, tanks	lb.	.05 -	—
bbls.	lb.	.05¾ -	—
Wax, amorphous, group 5, at refineries; 160-165, amber,	lb.	.15½-	—
160-165, black	lb.	.14 -	—
160-165, white	lb.	.26 -	—
180-185, amber	lb.	.17½-	—
180-185, black	lb.	.16 -	—
180-185, white	lb.	.30 -	—
Bayberry, bgs.	lb.	.18 -	.20
Bees, white, bleach, slabs, cs.,	lb.	.56 -	—
cake, cs.	lb.	.57 -	—
discs, cs.	lb.	.58 -	—
yellow, crude, Africa, 10-bg. lot.	lb.	No stocks	
1 bg.	lb.	No stocks	
Brazil, bgs.	lb.	No stocks	
refd., slabs, cs., lbs.	lb.	.51 -	.52
Candelilla, bgs., 1 ton	lb.	.31 -	.32
jobbing lots	lb.	.32 -	.33
Carnauba, No. 3, chalky bgs., 1 ton.	lb.	.72 -	.73
5 bgs.	lb.	.72½-	.73½
1 bg.	lb.	.73 -	.74
N. C., 3, bgs., 1 ton.	lb.	.76 -	.77
5 bgs.	lb.	.76½-	.77½
1 bg.	lb.	.77 -	.78
refined, bgs.	lb.	.81 -	.82
yellow, No. 1, bgs., ton.	lb.	.83 -	.84
5 bgs.	lb.	.83½-	.84½
1 bg.	lb.	.84 -	.85
No. 2, bgs.	lb.	.82 -	.83
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton.	lb.	.12½-	.13
jobbing lots.	lb.	.13½-	.14
150°-160° m.p., bgs., 1 ton.	lb.	.14½-	.15
jobbing lots.	lb.	.15½-	.16
160° m.p., bgs., 1 ton.	lb.	.15½-	.16
jobbing lots.	lb.	.16½-	.17
Japan, cs.	lb.	.30 -	.31
Montan, bgs., c.l.	lb	No prices	
5 tons.	lb.	No prices	
less than 1 ton	lb.	No prices	
Ouricury, refined, bgs.	lb.	.58 -	.59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs.	lb.	No prices	
70°-72° C., bgs.	lb.	No prices	
74°-76° C., bgs.	lb.	No prices	
snow-white, pure, 76°-78° C., bgs.	lb.	No prices	
yellow, natural, 76°-78° C., bgs.	lb.	No prices	

Paraffin (see P).

Spermaceti, blocks, cs.	lb.	.24 -	.25
cakes, cs.	lb.	.25 -	.26

White lead (see Lead, white).

White pine bark, rossed, bls.	lb.	.07 -	.08
White precipitate, powd., dms., 50 lbs. or more.	lb.	2.84 -	—

Whiting, chalk, com'l, dry-grd., bip. bgs., c.l., works.	ton.	16.00 -	20.00
l.c.l., works.	ton.	18.00 -	22.00
bbls., c.l., works.	ton.	19.00 -	24.00
l.c.l., works.	ton.	21.00 -	26.00
pap. bgs., c.l., works.	ton.	16.00 -	18.00
l.c.l., works.	ton.	17.00 -	20.00
wet-grnd., bip. bgs., c.l., works.	ton.	18.50 -	22.50
l.c.l., works.	ton.	19.00 -	23.00
bbls., c.l., works.	ton.	21.00 -	25.00
gilders, bolted, bip. bgs., c.l., works.	ton.	18.00 -	—
l.c.l., works.	ton.	19.00 -	—
bbls., c.l., works.	ton.	20.00 -	21.00
l.c.l., works.	ton.	21.00 -	22.00
pap. bgs., c.l., works.	ton.	17.00 -	18.50
l.c.l., works.	ton.	18.00 -	19.00
extra bolted, bip., bgs., c.l., works.	ton.	20.00 -	—
l.c.l., works.	ton.	21.00 -	—
bbls., c.l., works.	ton.	22.00 -	23.00
l.c.l., works.	ton.	23.00 -	24.00
pap. bgs., c.l., works.	ton.	19.00 -	20.50
l.c.l., works.	ton.	20.00 -	21.00
Paris white, bip. bgs., c.l., works,	ton.	19.00 -	—
l.c.l., works.	ton.	20.00 -	—
bbls., c.l., works.	ton.	22.50 -	27.50
l.c.l., works.	ton.	22.00 -	25.00
pap. bgs., c.l., works.	ton.	19.60 -	26.10
l.c.l., works.	ton.	20.00 -	26.50
Limestone, air-floated, 90.75%, 250 mesh, paper bgs., c.l.,	ton.	10.10 -	—
200 mesh, paper bgs., c.l., same basis.	ton.	9.35 -	—
90%, 200 mesh, paper bgs., c.l., same basis.	ton.	7.00 -	—
gilders, bgs. (extra), c.l., works.	ton.	11.50 -	—
l.c.l., 8-20 tons, works.	ton.	12.50 -	—
4-8 tons, works.	ton.	13.50 -	—
2-4 tons, works.	ton.	14.50 -	—
bolted, extra, bgs., c.l., works.	ton.	12.50 -	—
l.c.l., 8-20 tons, works.	ton.	13.50 -	—
4-8 tons, works.	ton.	14.50 -	—
2-4 tons, works.	ton.	15.50 -	—
works.	ton.	11.00 -	—
8-20 tons, works.	ton.	12.50 -	—
4-8 tons, works.	ton.	13.00 -	—
2-4 tons, works.	ton.	14.00 -	—
putty grade, bgs. (extra), c.l., water-floated, bgs. (extra), c.l., works.	ton.	11.50 -	—
l.c.l., 8-20 tons, works.	ton.	12.50 -	—
4-8 tons, works.	ton.	13.50 -	—
2-4 tons, works.	ton.	14.50 -	—
precipitated, bgs., c.l., works,	ton.	15.00 -	—
l.c.l., 5 tons, works.	ton.	20.00 -	—
smaller lots, works.	ton.	25.00 -	—
Wild cherry bark, thick, natural, bls.	lb.	.07 -	.08
rossed, bls.	lb.	.05 -	.06
thin, natural, bls.	lb.	.07 -	.08
rossed, green, bls.	lb.	.10 -	.11
Wild indigo root, bls.	lb.	.13 -	.14
Witch-hazel extract, dist., NF, tax extra, bbls.	gal.	.44 -	.45
leaves, bls.	lb.	.07 -	.09
Witherite (see Barium carbonate, natural).			
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y.	ton.	24.00 -	25.00
80 mesh, same basis.	ton.	26.00 -	28.00
100 mesh, same basis.	ton.	30.00 -	32.00
import, 70 mesh, bgs., ex dock.	ton.	No prices	
80 mesh, bgs., ex dock.	ton.	No prices	
100 mesh, bgs., ex dock.	ton.	No prices	
120 mesh, bgs., ex dock.	ton.	No prices	
Wormseed, American, bgs.	lb.	.07 -	.08
Levant, bgs.	lb.	No prices	
Wormwood, bls.	lb.	.48 -	.50

X

Xylol (xylene), indus., dms., returnable, works.	gal.	.31 -	—
tanks, E. of Omaha, frt. alld.,	gal.	.26 -	—
tanks, W. of Coast, f.o.b. Minnequa, Colo.	gal.	.26 -	—
10°, dms., returnable, works,	gal.	.34 -	—
tanks, E. of Omaha, frt. alld.,	gal.	.29 -	—
5° dms., returnable, works.	gal.	.41 -	—
tanks, E. of Omaha, frt. alld.,	gal.	.39 -	—
3°, dms., returnable, works.	gal.	.48 -	—
tanks, E. of Omaha, frt. alld.,	gal.	.46 -	—
Xylidin, mixed, dms.	lb.	.35 -	.36

Y

Yara yara, cryst., cns.	lb.	1.35 -	1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York.	lb.	.52 -	.55
bottles, same basis.	lb.	.60 -	.64
imp., bbls., same basis.	lb.	.18	Nom.
Cadmium, CP, import, bxs.	lb.	1.35 -	1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50 -	—
smaller lots, same basis.	lb.	.55 -	—
kgs., ton lots, same basis,	lb.	.55 -	—
smaller lots, same basis,	lb.	.60 -	—
Sulphide, orange, cases, works,	lb.	1.10	Nom.
Chrome, CP, bbls., divd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minnesapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 -	—
Chrome yellow CP prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Yellow, Dutch, pink, bbls.	lb.	.09 -	.11
Hansa, bbls., same basis chrome.	lb.	1.37 -	—
primrose shade, bbls., same basis chrome.	lb.	1.75 -	—
Mercury oxide, tech., bbls., 1,000 lbs.	lb.	2.87 -	—
smaller lots.	lb.	2.89 -	—
Ocher, Amer., golden bbls., works.	lb.	.04½-	.06¼
yellow, bbls., works.	lb.	.02 -	.02¼
French type, bbls., c.l.	lb.	.0345-	—
l.c.l.	lb.	.0365-	—
French, all shades, cks., l.c.l., ex dock, Balto., Boston, N. Orleans for import.	lb.	.02475	Nom.
New York (f.o.b.).	lb.	.02¾	Nom.
Philadelphia, for import.	lb.	.02¾	Nom.
San Pedro, San Francisco.	lb.	.0290	Nom.
French, all shades, cks., l.c.l., ex dock, Balto, Boston, N. Orleans.	lb.	.02575	Nom.
New York.	lb.	.02¾	Nom.
Phila., for import.	lb.	.02¾	Nom.
Portland, Seattle.	lb.	.03½	Nom.
San Pedro, S. Francisco.	lb.	.03	Nom.
ex whse., Balto., Boston, N. Orleans.	lb.	.02725	Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis.	lb.	.03¾	Nom.
ex whse., New York,	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle.	lb.	.03¾	Nom.
San Pedro, San Francisco.	lb.	.03¼	Nom.
f.o.b. N.Y., from dock,	lb.	.02¾	Nom.
from whse.	lb.	.03¼	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½-	—
l.c.l., same basis.	lb.	.05 -	—
synth., bbls., c.l., works.	lb.	.06¾-	—
l.c.l., same basis.	lb.	.07 -	—
Persian orange (see O).			
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.17½-	—
open order.	lb.	.17½-	—
Navy specifications type, contracts.	lb.	.17½-	—
open order.	lb.	.17½-	—
Yellow dock root, dom., bls.	lb.	.15 -	.20
Yellow root (xanthoriza), bls.	lb.	.11 -	.13
Yerba santa leaves, bls.	lb.	.09 -	—
Yohimbine hydrochloride, vis.	oz.	3.00 -	4.25

Z

Zein, bgs., 1,000 lbs. or more, works.	lb.	.20 -	—
less than 1,000 lbs., works.	lb.	.25 -	—
Zinc acetate, tech., bbls., divd.	lb.	.15 -	.16
USP, bbls., 250 lbs.	lb.	.27 -	—
kgs., 100 lbs.	lb.	.29 -	—
Arsenite, bgs., c.l., dealers, E. of Rockies.	lb.	.12 -	—
l.c.l., bgs.	lb.	.13½-	—
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.			
Carbonate, tech., bbls.	lb.	.14 -	.20
USP, precip., powd., bbls.	lb.	.32½-	—
25-lb. dms.	lb.	.37½-	—
kgs.	lb.	.34½-	—
Chloride, tech., fused, dms., c.l., works.	100 lbs.	5.00 -	—
l.c.l., works.	100 lbs.	5.35 -	—
gran, dms., c.l., works.	100 lbs.	5.75 -	—
l.c.l., dms., works.	100 lbs.	6.50 -	—
USP, 100-lb. dms.	lb.	.30 -	.31
25-lb. jars.	lb.	.36 -	—
solut., 50%, dms., c.l., works.	lb.	.0315-	—
l.c.l., works.	lb.	.04¼-	.04½
tanks, works.	lb.	.0250-	—
Cyanide, kgs., works.	lb.	.33 -	.37
Dust, bbls., c.l., divd.	lb.	.09½-	—
l.c.l., bbls., divd.	lb.	.09¾-	—
Iodide, N. F., bots.	lb.	4.54 -	—
jars	lb.	4.40 -	—
Fluoride, bbls.	lb.	.20 -	.25
Metal (see daily quotations in Market report.)			
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., divd.	lb.	.06½-	—
l.c.l., divd.	lb.	.06¾-	—
bbls., c.l., divd.	lb.	.06¾-	—
l.c.l., divd.	lb.	.07 -	—
Zinc oxide pigment, dom., Amer. process, leaded, 5%, bgs., c.l., divd.	lb.	.06¾-	—
l.c.l., divd.	lb.	.06¾-	—
bbls., c.l., divd.	lb.	.06¾-	—
l.c.l., divd.	lb.	.06½-	—
35%, bgs., c.l., divd.	lb.	.06 -	—
l.c.l., divd.	lb.	.06¼-	—
bbls., c.l., divd.	lb.	.06¼-	—
l.c.l., divd.	lb.	.06½-	—
50%, bgs., c.l., divd.	lb.	.06 -	—
l.c.l., divd.	lb.	.06¼-	—
bbls., c.l., divd.	lb.	.06¼-	—
l.c.l., divd.	lb.	.06½-	—
French process, com'l, lead free, bgs., c.l., divd.	lb.	.06½-	—
l.c.l., divd.	lb.	.06¾-	—
bbls., c.l., divd.	lb.	.06¾-	—
l.c.l., divd.	lb.	.07 -	—
green seal, bgs., c.l., divd.	lb.	.08¼-	—
l.c.l., divd.	lb.	.08½-	—
bbls., c.l., divd.	lb.	.08½-	—
l.c.l., divd.	lb.	.08¾-	—
red seal, bgs., c.l., divd.	lb.	.07¾-	—
l.c.l., divd.	lb.	.08 -	—
bbls., c.l., divd.	lb.	.08 -	—
l.c.l., divd.	lb.	.08¼-	—
white seal, bgs., c.l., divd	lb	.08¾-	—
l.c.l., divd.	lb.	.09 -	—
bbls., c.l., divd.	lb.	.09 -	—
l.c.l., divd.	lb.	.09½-	—
imported, gold seal, cks., ex whse.	lb.	No prices	
green seal, bbls., ex whse.	lb.	No prices	
white seal, cks., ex whse.	lb.	No prices	
USP, l.c.l., 50-lb. ctns., 50-lb. dms.	lb.	.10	Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.	lb.	.24½-	.37½
Resinate, fused, pale, bbls.	lb.	.10 -	—
precip., dms., divd.	lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., one ton.	lb.	.27 -	—
smaller lots.	lb.	.28 -	—
USP, bbls.	lb.	.25 -	.27
Sulphate, cryst., bgs., c.l.,	100 lbs.	3.40 -	—
l.c.l.	100 lbs.	4.15 -	—
bbls., c.l.	100 lbs.	3.65 -	—
l.c.l.	100 lbs.	4.40 -	—
flake, bgs., c.l.	100 lbs.	3.80 -	—
l.c.l.	100 lbs.	4.55 -	—
bbls., c.l.	100 lbs.	4.05 -	—
l.c.l.	100 lbs.	4.50 -	—
powd., bgs., c.l.	100 lbs.	5.35 -	—
l.c.l.	100 lbs.	6.10 -	—
bbls., c.l.	100 lbs.	5.60 -	—
l.c.l.	100 lbs.	6.35 -	—
Sulphide, bgs., c.l. (20 tons), divd.	lb.	.07¾-	—
l.c.l., divd.	lb.	.08 -	—
bbls., c.l., 20 bbls., c.l., (20 tons), divd.	lb.	.08 -	—
l.c.l., divd.	lb.	.08¼-	—
barium, pigment, bgs., c.l., divd.	lb.	.05¼-	—
l.c.l., divd.	lb.	.05½-	—
Calcium pigment, bgs., c.l., divd.	lb.	.05¼-	—
l.c.l., divd.	lb.	.05½-	—
magnesium pigment, bgs., c.l., divd.	lb.	.05¼-	—
l.c.l., divd.	lb.	.05½-	—

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms.	lb.	.24 -	.29
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 -	—
l.c.l., works.	100 lbs.	6.70 -	—
Zinc-iron oxide, pigment, bgs., c.l., divd.	lb.	.05¼-	—
l.c.l., divd., except Pac. cst.	lb.	.05¾-	—
ex whse., Pac. cst.	lb.	.05¾-	—
Zirconium nitrate, kgs., works.	lb.	3.00 -	4.00
Oxide, crude, 70-75%, gr., bbls., works.	ton.	75.00 -	100.00
white, 98%, grd., kgs., works,	lb.	1.80 -	2.00

Synthetic Resins

and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the September 1 issue; the next printing will be in the October 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 33.

SILVATEEN FOAM AA

REPLACES GERMAN IMPORTED SILICA and NEUBERGER CHALK

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Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

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DRY COLORS
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Chrome Yellows
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Para Reds Iron Blues
Cadmium Colors
Lake Colors
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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

1:2-Benzoanthracene

Chemical

New chemical available for experimental use

Butadiene Copolymer

(Synthetic Rubber)

(The uses given below are those of the American composition known as "Hycar" rubber, which is marketed in two forms: (1) Type O.R. which features oil, heat, abrasion, and aging resistance; (2) type T.T. which features vulcaniinzg to give high tensile tread stocks of good elasticity and high resistance to abrasion, aging, and heat, adapted for tire treads and not resistant to oils—"Ameripol" rubber is a vulcanized synthetic product made from "Hycar" rubber — "Ameripol" rubber features resistance to oils, aging, abrasion, heat, and flame, as claimed by the manufacturer for any specific item)

Adhesives

Base material in—
- Cements and other adhesives

Automotive

Construction material for—
- Deicing equipment
- Engine mountings
- Ignition wiring insulation and protection
- Self-sealing gasoline tanks
- Steering wheels
- Tank treads
- Tire treads
- Vibration-damping devices
- Windlace tubing

Aviation

Construction material for—
- Deicing equipment
- Engine mountings
- Ignition wiring insulation and protection
- Inner tubes
- Self-sealing gasoline tanks
- Tire treads
- Vibration-damping devices

Building

Construction material for—
- Electrical insulation
- Flooring and tiling
- Flooring compositions

Chemical

Construction and lining material claimed to offer following advantages—
- Heat resistance
- High resistance to abrasion
- High resistance to adherence of materials to its surface by reason of packing, caking, and the like
- Lasting protection of all metal equipment depending on materials it is brought in contact with
- Low maintenance cost
- Machinability
- Moldability
- Protection of materials from—
  - Discoloration by metal containers and processing equipment
  - Iron pick-up
  - Toxic changes
- Strength and toughness (yet easily machined with ordinary tools)

Construction and lining material resistant to—
- Alternate wetting and drying
- Atmospheric changes
- Attack by oils, fats and greases
- Cracking
- Impact rupture
- Loosening by vibration
- Splitting

Construction material for—
- Air, steam, and water hose
- Gaskets
- Packing

(For other applications see "Mechanical," "Clothing," and "Miscellaneous")

Clothing

Construction material for—
- Aprons
- Boots, waders, and hip boots for workers in petroleum and other plants involving encounters with oils and greases
- Construction material for—
  - Electrical and utility corporation workers' clothing
  - Gloves
  - Hospital sheeting
  - Infants' wear
  - Raincoats
  - Waterproof clothing

Cosmetic

Construction material for—
- Equipment brought into contact with fats, oils, and greases, such as tanks, pipes, fittings, and the like

Lining material for—
- Equipment brought into contact with fats, oils, and greases, such as tanks, pipes, fittings, and the like

Dye

(Uses and applications similar to those given under "Chemical")

Electrical

Construction material for—
- Devices
- Electricians' gloves
- Fan and blower blades, wheels, and parts
- Lineman's blankets
- Motor and equipment parts
- Side plates and other parts

Covering and lining agent for—
- Devices
- Fan and blower blades, wheels, and parts
- Side plates and other parts

Damping agent for—
- Sounds
- Vibrations

Insulating material for—
- Cable, cord, wire, connections, and the like

Lampguards
- Motors, generators, and other equipment
- Panels, fixtures, devices, and the like
- Plating racks
- Tools, such as pliers, nippers, screwdrivers, drills, and the like
- Various other uses

Waterproofing agent for—
- Cable, wire, cords, connections, and the like
- Devices
- Fixtures
- Equipment
- Motors

Fats, Oils, and Waxes

Construction material for—
- Floors which must resist the chemical action of food oils
- Tires (for vehicles and processing equipment) which must resist food oils

Lining agent for—
- Equipment, brought into contact with fats, oils, and greases, such as tanks, pipes, fittings, and the like

Highway Construction

Construction material for—
- Paving blocks

Leather

Lining agent for—
- Extract equipment

(See also "Chemical"—many of the applications there listed apply equally to this industry)

Mechanical

Construction material for—
- Bumpers
- Conveyor belts
- Gaskets
- Elevator belts
- Milk machine tubing
- Pipes and fittings (mineral and vegetable oils and greases resistant)
- Power transmission belts
- Construction material for—
  - Pumps
  - Valve cups for pumps
  - Valves
  - V belts

Lining and covering agent for—
- Air-drill hose
- Conveyor pins
- Conveyor buckets
- Dishwashing racks
- Drums
- Fittings
- Firehose
- Oil-drilling and loading hose
- Paints, sprays, welding, and sandblast hose
- Perforated metal
- Pipe
- Pumps
- Sand and gravel chutes
- Screens
- Steam hose
- Tanks for mineral and vegetable oils, gasoline, fats, or greases
- Tankcars for mineral and vegetable oils, gasoline, fats, or greases
- Valves

Metallurgical

Lining agent for—
- Metal polishing equipment

(See also "Chemical"—many of the applications there listed apply equally to the three above operations; also see "Mechanical")

Military

Construction material for—
- Gasmasks

Mining

Abrasion-resistant lining for—
- Chutes
- Conveyor buckets
- Screens

(See also "Mechanical")

Miscellaneous

Construction material for—
- Bathmats
- Bottles
- Buckets
- Balloon fabric
- Dippers
- Dipping baskets
- Fountain pens
- Fire hose
- Funnels
- Garden hose
- Gasmasks
- Gas-meter diaphragms
- Kneeling mats
- Mattresses
- Measures
- Pails
- Rings for jars, for oils, fats, or greases
- Rubber thread
- Sink stoppers
- Stamp and pads
- Typewriter rolls
- Waterproofing

Damping agent for—
- Sound
- Vibration

Paint, Varnish, and Lacquer

(See "Chemical")

(To be continued)

4-Chlor-5′-methoxy-7:8-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) to be—
- Useful in destroying blood parasites (malaria), amebae, and worm infections

---

3-Chlor-10-paradiethylaminoethylthiolphenylaminoacridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
- New pharmaceutical

Cholesteryl Propionate

Chemical

New chemical available for experimental use

Dihydroxymyristic Acid

Chemical

Reactant in—
- Organic syntheses

Starting point (Brit. 416631) in making—
- Nitriles, with ammonia

6-Hexamido-2:4′-betahydroxyethylamino-3′-methyl-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) to be—
- Valuable as trypanocide—more soluble and less toxic than known 2-styrylquinolinium salts

---

Isobutylundecaisopropylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
- Insecticidal preparations

Monocetyl Malate

Lubricant

Claimed (Brit. 500222) as—
- Cutting oil base
- High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

Prolon

(Natural protein-base spun fiber formed from nonfibrous proteins such as casein, zein, or the proteins of soybeans, peanuts, and fish—"Aralac" fiber is an American prolon)

Miscellaneous

Synthetic fiber offering following properties—

Compatible with—
- Hare's fur
- Rabbit's fur

Has individual properties but (in certain ways) resembles—
- Furs (certain ones)
- Angora
- Mohair
- Camel's hair
- Silk
- Cashmere
- Wool

Increases felting rate when used with feltable fibers

Resistant to—
- Acids
- Mild alkalies
- Boiling water

Synthetic fiber used in making—
- Fur felt

Textile

Synthetic fiber used in making—
- Fabrics
- Wool felts

Sodium Cetylsulphate

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Miscellaneous

Dispersing agent
Emulsifying agent
Leveling agent
Penetrating agent
Scouring agent

Textile

Dispersing, emulsifying, leveling, pentrating, and scouring agent in—
- Bleaching processes
- Boiling operations
- Coating processes
- Degreasing operations
- Degumming fibers
- Dyeing operations
- Kier boiling
- Mercerizing
- Scouring fibers
- Sizing processes
- Soaking processes
- Washing operations

Try Some Reallocations; Consult: —

Uses and Applications of Chemicals and Related Materials

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Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Weaken, Then Rally—Crude Offerings Continue Light—Linseed Oil Reduced by Crushers —Coconut Oil in Light Supply and Firm—Business Quiet

Quiet conditions continued to prevail in the market for miscellaneous oils, fats and greases last week. A fair request was noted for some technical and edible products which are in unusually light supply but as a rule consumers were interested merely in small lots to fill current needs. Price movements in the markets for cottonseed oil and lard futures were generally within moderate limits and buyers of other oils and fats were disposed in not a few cases to hold off for further developments. On the other hand, offerings of many imported and domestic products were very light and demand was sufficient to give the general market a firm tone. The price trend was upward, although there were comparatively few changes. Reports were current of sales of cottonseed in the Southwest at abnormally high prices and offerings of crude cottonseed oil continued unusually light for this period of the year.

Vegetable Oils

Castor, Dehydrated.—Steady contract movement. New business active. Supplies for early delivery reported difficult to obtain.

Chinawood.—Domestic markets remained firm. Local prices said to be below import costs. Stocks light and diminishing. Good inquiry.

Coconut.—Crude in light supply; first hand quotations unchanged and nominal. Resale oil reported sold early in week at 7¾c. per pound, tankcars. Refined oil in fair demand and firm.

Corn.—In light supply and firmer. Nominal quotations up ¼c.

Cottonseed.—Edible oil advanced 1 cent. Inquiry good.

Oiticica.—Tone remained firm. Inquiry fairly active. Offerings continued light.

Olive.—Edible oil inquiry more active. Supplies light and tone firm. Quotations generally nominal.

Peanut.—Little offered on spot or for shipment. Fair inquiry. Nominal quotations ¼c. higher.

Perilla.—Fair inquiry. Supplies light. Tone firm.

Rapeseed.—Prices steady. Fair request.

Soybean. — Quotations generally maintained by first hands. Inquiry fairly active. Reports of resale transactions in a small way at ½c. to ¼c. below prevailing prices.

There was no trading in soybean oil futures on the New York Produce Exchange, from September 20 to September 26, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
October	...	...	11.26 bid
December	...	...	11.25 bid

Markets at Other Centers

Chicago—Sept. 26

Strong to modestly advancing price tendencies are noted in the vegetable oil market. Buying has been rather aggressive in some cases.

Coconut.—Crude, Pacific Coast, 6½c. to 6⅝c. per pound. Refined, edible oils, 13¼c. to 13½c. per pound, drums, car lots; 13¾c. to 14c., drums, less than car lots.

Corn.—Crude, mills, 12½c. to 13c. per pound. Refined, edible oil, 14¾c. to 15c. per pound, drums, car lots; 15¼c. to 15½c., drums, less than car lots.

Peanut.—Crude, South, 13c. to 13¼c. per pound.

Soybean. — Crude, September-forward, 10⅝c. to 10¾c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Sept. 26.	Closing Sept. 19.
October	$1.78½	$1.71½	$1.77¾	$1.72¾
December	1.79¼	1.70½	1.77¾	1.74¼

San Francisco—Sept. 24

A rather lethargic tone hung over the local vegetable oil marketing situation here last week, with prices in some quarters, mostly edible oils, showing a disposition towards a downward adjustment. By and large, however, outside of coconut oil there continued to be a scarcity of offerings in the general list.

Ruling prices are:—

Coconut.—Easier. Crushers here quoting 6¾c. and in some cases 6⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sales have been infrequent following a buying splurge during the previous week. Many consumers apparently booked ahead. Copra, 4¼c.

Chinawood. — Very scarce. Quoted (Syndicate oil) on basis of 34c. per pound in tankcars, f.o.b. Pacific Coast ports.

Oiticica.—Solid oil quoted 22½c. per pound in drums; liquid at 23½c., f.o.b. San Francisco.

Babassu.—Mostly nominal, with offerings limited. Quoted at 9½c. per pound in tankcars, f.o.b. Pacific Coast mills.

Cottonseed.—Steady. Crude California cottonseed oil named at 11¾c. per pound in tankcars, f.o.b. northern California mills.

Castor, Crude.—Quoted at 11c. per pound in tankcars, f.o.b. Los Angeles.

Rapeseed. — Argentine oil, denatured and refined, quoted at 10c. per pound in tankcars, f.o.b. Pacific Coast ports.

Walnut, Crude.—Quoted on basis of 10½c. per pound in tankcars.

Price Changes

Advanced

Beeswax, white, bleached, 3c. per lb.
Candelilla wax, 1c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, edible, 1c. per lb.
Lard oil, ½c. to ¾c. per lb.
Neatsfoot oil, ½c. to 1c. per lb.
Stearin, oleo, ¼c. per lb.
Tallow oil, ¾c. per lb.

Reduced

Japan wax, 2c. per lb.
Linseed oil, 2-10c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
174.9	174.7	166.2	95.1

Market news that may have developed after this report was sent to press will be found on page 4.

Tallow

Tallow remained in a firm position last week as buying interest continued good despite the abnormally high prices prevailing. Transactions for the week would apparently have been larger than they were but for the limited supplies available. Sales of extra tallow were reported at 9c. per pound. This price compared with 3⅜c. per pound a year ago and 4⅜c. per pound in September, 1939.

Production of tallow in this country during the first half of 1941, according to official statistics, was 426,979,000 pounds against 407,456,000 pounds in the same time in the previous year and 330,505,147 pounds two years ago. Consumption during the six months ended with June, 1941, was 590,580,000 pounds against 443,399,000 pounds in the corresponding period last year and 439,094,452 pounds two years ago.

Linseed Oil

Flaxseed irregular. Cash demand less active. Linseed oil reduced.

Flaxseed—Duluth, Sept. 26.—Demand for cash seed flaxseed less active, partly as a result of a reactionary tendency in the market for soybeans. Rains have ceased and larger receipts are expected.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.
Saturday	$1.95½	$1.94⅛
Monday	1.95½	1.95
Tuesday	1.99¼	2.04
Wednesday	2.01½	2.03½
Thursday	1.96	2.00½
Friday	1.98¼	2.02¼

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	175,405	420,920	.....	451,620
Since Aug. 1.	1,408,780	3,789,852	428,485	1,304,926

Minneapolis, Sept. 26.—Compared with a week back the inflow of flaxseed is fairly good but there has been rapid deterioration in quality and consequently less cash return to farmers. Moisture content of recent arrivals has been heavy and it is estimated that at least 85 percent of the stuff now coming to market has suffered some damage from harvest rains. Virtually all of the seed is coming from Northern territory. Some in north central and small areas in the western part of Minnesota escaped the floods of moisture and was harvested in fairly good shape.

Between the downward recession in values and the fear of total loss if the flax is allowed to remain in the field there is apt to be a fairly steady run of supplies to terminals, as long as the crushers are able to handle and condition the damp stuff. As working space becomes more limited, price discounts for the higher moisture offers are apt to widen. Demand for this flax is indifferent but crushers need supplies badly and will take care of anything that can be used in making oil.

The week's closing flaxseed price range was as follows:—

	Cash.	October.	December.
Saturday	$1.96½	$1.98	$2.02½
Monday	1.97	1.99½	2.04¼
Tuesday	2.03	2.01½	2.04½
Wednesday	2.04½	....	2.05½
Thursday	2.00	...	2.00
Friday	2.02¼	...	2.02¼

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	782,600	732,200	37,800	165,200
Since Sept. 1.	3,630,200	5,709,200	391,800	338,000

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
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SPOT Woolworth Building New York, N. Y. FUTURE

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(RED OIL)
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FACTORY: NEWARK, N. J.
CABLE: GROSSRAY

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Light Cold Pressed
Alkali Refined Kettle Bodied
Dark Pressed
Commercial Grades
Fish Oil Stearine
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America's largest producers of
STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
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SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.
Stocks in All Principal Cities

Winnipeg, Sept. 26.—The week's closing flaxseed price range was as follows:—

	Cash.	October.	December.
Saturday	$1.55½	$1.55	$1.53½
Monday	1.53½	1.53	1.52
Tuesday	1.56½	1.56	1.55
Wednesday	1.60	1.59½	1.59
Thursday	1.54⅝	1.54¼	1.52⅝
Friday	1.58½	1.58	1.56½

Buenos Aires, Sept. 26.—Flaxseed, October, 75½c. per bushel. Exports this week 1,138,000 bushels, including 996,000 to the United States. Total since January 1, as follows:—

	Bushels— This year.	Last year.
To—		
United States	15,724,000	8,929,000
United Kingdom	1,176,000	5,837,000
Continent	827,000	11,856,000
Orders	.....	606,000
Others	1,242,000	1,071,000
Totals	18,969,000	28,299,000

Visible Supply

	Bushels
Last week	20,276,000
Previous week	20,472,000
Last year	5,512,000

Hull, Sept. 26.—Flaxseed, La Plata, Sept., £12¼ per long ton; Calcutta, £20.

Linseed Oil.—Quotations were reduced two points by crushers, the market apparently being steady at the lower level. There were reports of a somewhat better inquiry. The movement to consumers and dealers on unfilled contracts continued liberal although painting operations in some sections were apparently hampered by unfavorable weather. Advices from some outside points stated that withdrawals on contracts continue to absorb the bulk of the output of the mills which are still running at capacity. Demand for cash seed in Northwestern markets was lighter, the lessened demand being attributed in some cases to the lowered quality of the seed now being received as a result of prolonged rains. Recent frosts in Argentina were said to have done no damage to new flaxseed in that country and the outlook for the crop is said to be good although the critical months of October and November have still to be faced.

Minneapolis, Sept. 26.—Demand for linseed oil is fair but trade activity lessened as prices went down under the influence of Washington reports concerning administration opposition toward any inflation indications.

Quotations on tankcar lots f.o.b. Minneapolis 10.4c. per pound, cooperage car lots 11.3c. per pound, warehouse lots 11.7c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,250,000	3,800,000
Since Sept. 1	20,250,000	15,700,000

San Francisco, Sept. 24.—Linseed oil weakened following rather heavy buying. Quotations on the card were lowered two points. However, it must be taken into consideration that even with the 10c. tankcar posting today, most of the recent business was placed at a fraction under this. Quoted:—Tankcars, 10c. per pound; drum lots, ex-mill, 10.9c.; drum lots, ex-warehouse, 11.3c.

Chicago, Sept. 26.—Buying of linseed oil has been brisk, as the paint industry continues to express its needs in active market participation. Tanks, 10.2c. per pound; drums, car lots, 11.1c.; drums, less than car lots, 11.5c.

Cake and Meal.—Local meal trade more active. Market steady.

Minneapolis, Sept. 23.—Linseed meal prices are down because of weakness in the soybean meal market and a desire of some of the longs to sell out to get shipping instructions on supplies they bought for September delivery.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $39.50 to $40 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	8,760,000	8,281,000
Since Sept. 1	42,530,000	27,121,000

Chicago, Sept. 26.—Linseed meal is ruling strong at best prices of the movement, and buyers apparently are not relaxing in their efforts to obtain additional material. Round lots, $40 to $41 per ton; car lots, $41; less than car lots, $43.

DISTILLED
FATTY ACIDS
Tallow Fatty Acids
Cocoanut Fatty Acids
Cottonseed Fatty Acids
HYDROGENATED
FATTY ACIDS
(Rufat 52)
STEARIC ACID
RED OIL
(Oleic Acid)
WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Cottonseed Oil

Refined cottonseed oil futures irregular with outside markets. Seed and crude oil remained firm in the South.

Cottonseed Oil.—Refined oil futures were irregular last week in company with outside markets, changes in quotations generally being moderate, with the trend downward at one time early in the period after which there was an upturn. Trading was on a comparatively small scale, few operators being disposed for the time being to add materially to commitments on either side of the market. On weak spots, however, there was buying of the distant months by commission houses and trade interests. Local and outside longs liquidated on upturns and there was also more or less selling apparently of a hedging character. The open interest in the market on September 23 was 1609 contracts as compared with 1637 contracts a week earlier. Further tenders on September contracts brought the total for the month thus far up to 59.

Seed remained at abnormally high levels, reports being current of sales in the Southwest at from $55 to $60 per ton. Although the movement of seed has increased recently, offerings of crude oil continued below expectations for this period. Vegetable products which compete with cottonseed oil were generally scarce and firm at unusually high levels, with the tendency still upward. Receipts of hogs in Western markets were smaller than a year ago. The weight of the hogs received in Chicago during the week ended September 20 averaged 232 pounds against 235 pounds in the previous week and 237 pounds in the week before that.

The quantity of cotton ginned to September 16, according to the Census Bureau was 2,093,414 bales against 1,805,025 bales in the same time in the previous season and 3,875,703 bales two years ago. Rains checked harvesting of cotton in some parts of the Southwest and the Mississippi Valley.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 20 to September 26, inclusive, comprised 639 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	13.64	13.37	13.59@13.61
March	13.70	13.48	13.65@13.66
May	13.72	13.55	13.67@13.69
October	13.74	13.52	13.67 sale
December	13.64	13.37	13.58@13.59

Crude, Southeast, 12⅜c. Nom.

Chicago, Sept. 26.—Firmer market tendencies are noted in cottonseed oil. Activity has been increasing here and there recently. Refined, edible oil 14½c. to 15c. per pound, drums, car lots; 15c. to 15½c., drums, less than car lots.

Hull, Sept. 26.—Cottonseed oil, refined, 36s. 6d. per cwt.; crude, Egyptian, 31s. 1½ d.

Cake and Meal.—Trade in meal was reported as quieter in some sections, recent advances having checked demand.

Markets at Other Centers

Atlanta—Sept. 24

The rapid rise in cottonseed meal prices met a market rebuff which set it back during the past week, about $5 per ton. From $44.50 in the southeast it dropped to $39.50 where it is holding fairly steady. Prime crude oil continues to be offered at 12⅜c. per pound in the southeast. Dry, warm weather continues to favor the opening of cotton bolls and harvesting in the southeast.

Memphis—Sept. 25

Crude cottonseed oil sold today at 12¼c. per lb., tankcars, Valley points. Meal, 41 percent, $39.50 per ton, Memphis basis. Bulk cake, $36 per ton, Valley basis. Bulk hulls, $5.50 to $6 per ton at mill points, prompt shipment. Heavy rain and winds prevailed over this entire section yesterday. Some damage to open cotton reported. Seed $55 per ton, car lots, gin points. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Sept. 18.	Sept. 25.
October	$41.25@——	$39.00@39.50
December	41.35@41.75	39.75@——
January	40.00@40.75	39.60@39.90
March	40.30@40.60	39.85@——

Closing soybean meal futures:—

October	$38.25@—— $38.00@38.25
December	37.35@—— 36.00@——
January	37.25@—— 35.90@——
March	37.25@37.75 36.20@——

Fatty Acids

Capric Acid.—Firm at recent advances. Inquiry continued good.

Castor Oil.—Steady movement to makers of shampoos and cosmetics.

Coconut Oil.—Raw material in light supply and firm. Fatty acid fairly active.

Palm Oil.—Steady inquiry from local and other consumers. Market firm.

Linseed Oil.—Fairly active demand for moderate lots. More steady.

Palm Oil.—Steady inquiry from local and other consumers. Market firm.

Red Oil.—Market firm with raw material. Demand good.

Soybean Oil. — Quotations maintained. Tone firm. Trade fairly active.

Stearic Acid.—Contract movement held up well. New business fairly active. Market firm.

Chicago—Sept. 26

Trade in fatty acids has held up well. Corn oil, double distilled, 14¼c. to 14½c. per pound, tank car; 14¾c. to 15c., drums, car lots; 15¼c. to 15½c., drums, less than car lots; coconut oil, acidulated, 15¾c. to 16c. pound, tankcar; 16¼c. to 16½c., drums, car lots; 16¾c. to 17c., drums, less than car lots; cottonseed oil, double distilled, 13½c. to 13¾c. per pound, tankcar; 14c. to 14¼c., drums, car lots; 14½c. to 14¾c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent, basis, 3⅜c. to 3½c.; boiled down soap stock, 65 percent basis, 4⅜c. to 4½c; cottonseed soap stock, 50 percent basis, 3½c. to 3¾.

Fish Oils

Cod.—Local supplies light. Primary situation firm. Fair inquiry here.

Sardine.—Consumers of refined oil disinclined to purchase in advance of current needs. Tone firm.

Shark.—Fairly active inquiry. Offerings light. Market firm.

Sperm.—Steady movement of moderate lots. Quotations maintained.

Markets at Other Centers

Baltimore—Sept. 25

Crude menhaden oil quiet during the past week, no further sales being reported. Buyers and sellers are awaiting developments. Meanwhile fishing returns are poor, unfavorable weather having checked operations.

San Francisco—Sept. 24

Crude California sardine oil sold at 60c. per gallon in tankcars, f.o.b. production point, northern California. Fishing has been so good throughout the month of September that the majority of plants seem destined to shut down now until October 1, following the completion of allowed September raw fish quotas. It was reported here today that at one time last week, oil in the southern California district, which is to open October 1, had been turned for as high as 70c. per gallon, an all-time high price for this material.

Fats and Greases

Grease.—Demand fairly active. Spot supplies reported moderate. Tone firm.

Chicago, Sept. 26.—Choice white grease, 8⅞c. to 9c. per pound; yellow, 8c. to 8½c.

Lard.—Local cash trade fairly active. Price changes moderate. Government announced purchase of 2,576,000 pounds during week ended September 20.

Chicago, Sept. 26.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Sept. 26.	Sept. 19.
Cash	$10.77	$10.50	$10.72	$10.55
October	10.80	10.40	10.67	10.55
December	11.20	10.80	11.05	10.95

Stearin.—Fair demand on spot. Supplies moderate. Quotations advanced ¼c.

Chicago, Sept. 26.—Prime oleo stearin, 9¼c. to 9½c. per pound.

Tallow.—Inquiries numerous. Offerings light. Tone firm.

Chicago, Sept. 26.—Inedible tallow, prime, 8⅞c. to 9c. per pound; special, 8½c. to 8¾c.

Animal Oils

Degras.—Tone remained firm. Good demand for common and neutral.

Lard.—Quotations advanced ½c. to ¾c. per pound. Business fairly active.

Chicago, Sept. 26.—No. 1 lard oil, 11¾c. to 12c. per pound.

Neatsfoot.—Medium grades advanced ½c. to 1c. per pound. Stocks generally light. Demand good.

Oleo.—Quotations maintained. Tone firm. Business fairly active.

Chicago, Sept. 26.—Extra oleo oil, 10½c. to 11c. per pound.

Tallow.—Stronger with basic material. Prices advanced ¾c. per pound. Trade fair.

Chicago, Sept. 26.—Acidless tallow oil, 11½c. to 11¾c. per pound.

Waxes

Bees.—Prices on white bleached wax advanced again. Market:—Slabs,

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56c. per pound; cakes, 57c.; discs, 58c. Refined yellow was stronger at 51c. to 52c. per pound. Crude was strong with little available on this market.

Candelilla. Higher at 31c. to 32c. per pound. In active request out of stocks generally on the short side. Strong in Mexico.

Carnauba.—Holding very firm on spot. Sellers' views tend to widen. No more September-October shipments offered from Brazil. Only October-November offerings cabled. Demand reported excellent. No weakness in Brazil.

Japan.—Easier under competition. Local deliveries quoted 30c. to 31c. per pound.

Resale Markets

In the market for oils and fats there was little to record in the way of activity among second hands, very few transactions being reported during the week. Supplies in the hands of resellers or speculators seemed to have been materially reduced, liquidation of such holdings apparently having been hastened by the activity of government agencies in efforts to discourage or prevent operations of this character through threats of ceiling prices. Coconut oil was reported to have sold in a small way 7¾c. per pound in tankcars on spot or ⅛c. above the prices of first hands. Crude soybean oil was said to have sold in the West early in the week at 10½c. to 10⅝c. per pound, offerings being reported as somewhat freer as a result of recent weakness in soybeans, while later on some business was reported to have been closed at 10¾c. to 10⅞c. or ⅛c. to ¼c. below the prices quoted by first hands.

Bids Wanted

—Continued from page 4

Oil: — 216,000 barrels; U. S. Engineer Office, Philadelphia, Pa., invitation 127, opening September 29.

Soap Chip:—75,000 pounds; Purchasing and Contracting Officer, New Orleans Port of Embarkation & General Depot, New Orleans, La., invitation 1966-28, opening September 30.

Soap, Laundry: — 1,250,000 pounds, Purchasing and Contracting Officer, New Orleans Port of Embarkation & General Depot, New Orleans, La., invitation 1966-28, opening September 30.

Soda, Caustic: — 500,000 pounds, for Eastern and Western yards; Bureau of Supplies and Accounts, Navy Dept., Washington, schedule 8816, opening October 14.

Soda Phosphate:—100,000 pounds; Quartermaster Supply Officer, Port of Embarkation, Army Base, Brooklyn, procurement 626-8, opening October 1.

Stearic Acid:—25,000 pounds. Purchasing and Contracting Officer, New Orleans Port of Embarkation & General Depot, New Orleans, La., invitation 1966-28, opening September 30.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to September 20 as follows:—

Army Air Corps

Acetone: — $28,603.20, Shell Chemical Company, San Francisco.

Acetylene:—$31,500, National Cylinder Gas Company, Chicago.

Oxygen: — $20,625, Burdett Oxygen Company, Cleveland.

Army Medical Corps

Ammonia: — $15,669.34, Schieffelin & Co., New York.

Blood Grouping Serum:—$81,488, Lederle Laboratories, New York.

Blood Plasma Serum:—Sharp & Dohme, Inc., Philadelphia.

Digitalis:—$14,400, Ciba Pharmaceutical Products, Inc., Summit, N. J.

Dishwashing Compound: — $49,965.75, Dubois Soap Company, Cincinnati.

Neoarsphenamine:—$45,442.55, Merck & Co., Rahway, N. J.

Procaine:—$21,315. ProcoSol Chemical Company, Philadelphia.

Army Ordnance

Aluminum Oxide Grain:—$14,050, American Emery Wheel Works, Providence, R. I.

Ether:—$17,250, Carbide & Carbon Chemicals Corporation, New York.

Ethyl Centralite:—$47,040, Sharples Chemicals, Inc., Wyandotte, Mich.

Explosives:—$112,500, Hercules Powder Company, Wilmington, Del.; $152,272.50, King Powder Company, Cincinnati.

Fuel Oil:—$1,435.20, Western Oil & Fuel Company, North Minnesota, Minn.

Glycerin:—$21,900, Hildreth Varnish Company, Brooklyn, N. Y.

Magnesium:—$48,400, Magna Manufacturing Company, New York.

Methyl Centralite:—$16,000, E. I. duPont de Nemours & Co., Wilmington, Del.

Rust Preventive Compound:—$13,900, Standard Oil Company of Indiana, Chicago.

Army Quartermaster Corps

Naphthalene: — $24,664.80, The Zoro Company, Chicago; $52,040, Reilly Tar & Chemical Corporation, Chicago; $40,759.40, Crowley Tar Products Company, New York.

Chemical Warfare Service

Aniline Oil:—$191,550, The Dow Chemical Company, Midland, Mich.; $56,250, Monsanto Chemical Company, St. Louis, Mo.

Demustardizing Agent: — $27,520, Mathieson Alkali Works, New York; $31,320, Pennsylvania Salt Manufacturing Company, Philadelphia.

Treasury Procurement Division

Calcium Carbide:—$22,500, Shawinigan Products Corporation, New York.

Veterans Administration

Soap Chips:—$22,600.09; Colgate-Palmolive-Peet Company, Jersey City, N. J.

Soybean Ass'n Asks Increase in Output

—Continued from page 3

Dr. W. J. Morse, senior agronomist of the Department of Agriculture, Washington, reported that considerable interest has been shown in the possibilities of growing soybeans in all the American republics. Other speakers discussed agronomic and soils practices, the oil and meal situations, feeding experiments with soybean meal, the use of farm machinery in the growing of soybeans, and the possibility for community-sized crushing plants.

Processors present were vehement in their denunciations of the present level of soybean prices, and growers and grain handlers were inclined to agree that current Chicago Board of Trade quotations have been out of line. The consensus was, however, that the inclusion of soybeans in the Board of Trade has been a step forward in the ultimate stabilizing of prices.

Bids for the 1942 convention were received from Chicago, Cleveland, Cincinnati and Memphis. The site will be determined at the Fall meeting of the board of directors next month. Mr. Strayer, newly elected secretary, will continue as editor of *The Soybean Digest*, publication of the association.

Margarin Embargo Asked by Dairymen

—Continued from page 3

ships, delivers, or receives for shipment or has within his possession with intent to sell in interstate or foreign commerce, any margarin containing milk or its products; any margarin which is yellow in color; any margarin which resembles, or is in semblance or imitation of butter in respect to color, flavor or appearance; or any margarin containing any substance which simulates the color, flavor, or appearance of butter.

In addition, the measure would prohibit the dissemination through the United States mails of any advertisement which "directly or indirectly" displays margarin as being yellow in color, or which characterizes the product in "words, symbols or other representations associated with milk or its products."

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• Guaranteed Pure
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(Continued from September 22 issue)

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Phenyl-phosphoric diethylanilide
Phenyl-phosphoric dimethylanilide
Phenyl-phosphoric dinaphthylester
Phenyl-phosphoric diphenylester
Phenyl-phosphoric diphenylanilide
Phenylurea
Phenylurethane
Phosphoric acid esters of cresols and phenols
Phthalic acid esters of aliphatic alcohols
Phthalic acid ester of 2-butyloctanol
Plasticizer PA, PM, and REA
Plastoflex
Plastoform
Plastol
Plastomoil
Polyalkylamides of organic acids
Polycarboxylic acid esters of di-2-ethylbutylphthalate
Polycarboxylic acid esters of di-2-ethylbutylsuccinate
Polycarboxylic acid esters of 2-ethyl acetate
Polycarboxylic acid esters of 2-ethylbutanol-1
Polychloroamidins
Prolamin
Propionic acid phenolic esters
Propyl acetylsalicylate
Propyl alphacrotonate
Propyl carbamate
Propyl carbanilate
Propyl carbonate
Propyl mandelate
Propyl oleate
Propyl oxalate
Propyl oxamate
Propyl palmitate
Propyl stearate
Propyleneglycol monoformate
Proteids
Pulegone
Pyrocatechol diethylether
Pyrocatechuic aldehyde
Pyrogallic acid
Quinone
Rapeseed oil
Resorcinol
Resorcinol diacetate
Rezyl balsam 33
Ricinoleic acid amides
Ricol
Saccharose heptacetate
Saccharose monoacetate
Saccharose octacetate
Saccharose tetracetate
Salol
Santalol ethoxyacetate
Santalol methoxyacetate
Santalol methoxychloroacetate
Santicizer
Sextol stearate
Sipalin
Sodium-trichlorethylamidin
Solvent AEP, B3, and B4
Sorbitol acetate
Sorbitol benzoate
Sorbitol formate
Sorbitol hexachloroacetate
Sorbitol maleate
Sorbitol nitrate
Sorbitol oxalate
Sorbitol phthalate
Sorbitol succinate
Succinic acid ester of 2-butyloctanol
Sulphobenzide
Sulphocarbanilide
Sulphonal
Sulphonamides
Sulphonamidoethyl ester
Terpine
Terpinene
Terpineol
Terpineol formate
Terpineol phthalate
Terpinyl acetate
Terpinyl diacetate
Terpinyl propionate
Tertiary alcohols
Tetrabromophthalic acid
Tetracetyllactose octacetate
Tetracetyllactose tetracetate
Tetraethylglycol
Tetrahydrofurfuryl alcohol
Tetrahydrofurfuryl-terpinene maleate
Tetrahydromethyl-propylbenzene
Tetralin
Tetraphenylurea
Tetra substituted ureas
Toluene benzylnitrochloride
Toluene bromide
Toluene chloride
Toluene nitrobromide
Toluene nitrochloride
Tolyldimethylpyrazolon
Tolypyrin
Tolypyrin salicylate
Tolysal
Triacetin
Tributyl citrate
Trichloroethyl phosphate
Trichloroethylamidin
Trichloro-tertiary-butyl benzoate
Trichloro-tertiary-butyl lactate
Trichloro-tertiary-butyl phthalate
Trichloro-tertiary-, butyl succinate
Tricresyl phosphate
Tricresyl thiophosphate
Tridimethylcyclohexylcarboxylic acid
Triethyl citrate
Trihydroxybenzene
Trimethyl phosphate
Trimethylnaphthalene
Trimethylurea
Trinitrophenetol
Triphenyl phosphate
Triphenyl thiophosphate
Trixylenol phosphate
Trixylenol thiophosphate
Urea
Urea acetate
Urea benzoate
Urea butyrate
Urea formate
Urea naphthoate
Urea nitrate
Urea oxalate
Urea propionate
Urea salicylate
Urea sulphate
Urea valerate
Urethanes
Veratrol
Vetivenol
Vetivenol acetate
Vinyl acetate
Vinyl acetoxymethylphthalate
Vinyl chloroacetate
Xylamide
Xylene benzylnitrochloride
Xylene bromide
Xylene chloride
Xylene nitrobromide
Xylene nitrochloride
Xylyl compounds

Solvents Used in Making Plastics

Absolute alcohol
Acetaldehyde
Acetaldol
Acetamide
Acetanilide
Acetic acid esters of 2-butyloctanol
Acetin
Acetindiformin
Acetinformin
Acetinmonoformin
Acetochlorhydrin
Acetochlorhydrin diacetate
Acetone
Acetone oils
Acetonylacetone
Acetylacetone
Acetyldicycylhevylamine
Acetylene tetrachloride
Acetylglycollic acid ethylester
Acetylmethylanilide
Acetylmethylanilin
Acetylpalmitic ester
Acetylphenylnaphthylamine
Acridin
Acyl derivatives of polyhydroxy alcohols
Adronal
Adronal acetate
Alcohol
Aldehydes
Aliphatic dicarboxylic acid esters of 2-butyloctanol
Aliphatic monocarboxylic acid esters
Aliphatic monocarboxylic acid esters of 2-butyloctanol
Aliphatic polycarboxylic acid esters
Alkyl glycol
Alphachloropentane
Alphadichlorhydrin
American turpentine
Amidophenol
Amyl acetate
Amyl acetate mixed isomers
Amyl alcohol
Amyl alcohol mixed isomers
Amyl alphacrotonate
Amyl chloride
Amyl lactate
Amyl oxalate
Amylidene diethylether
Anhydrous alcohol
Anilides
Anilin
Anisol
Anol
Anone
Aromatic dicarboxylic acid esters of 2-butyloctanol
Aromatic monocarboxylic acid esters
Aromatic polycarboxylic acid esters
Avantine
Barkite B
B and L thinners
Benzene
Benzhydrol
Benzidin
Benzonaphthol
Benzyl acetate
Benzyl alcohol
Benzyl benzoate
Benzyl chloride
Benzylcellosolve
Benzyldihydrocarvone
Benzylidene acetoacetic ester
Benzylpentaerythritol
Betachloroethyl acetate
Betanaphthyl benzoate
Betanaphthyl phthalate
Betanophthylamine
Betanaphthylamine-dihydrocarvone
Bornyl acetate
Brevolite
Butanol

(To be continued)

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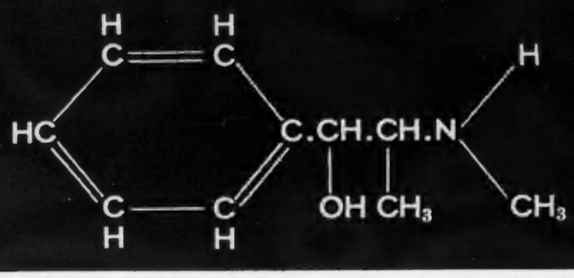

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- **It is independent of foreign sources of supply for American consumers.**

Pharmacologic and clinical tests have proved that the action and therapeutic effects of Merck Ephedrine are identical with those of the naturally-occurring product.

Merck Ephedrine is available in the form of the hydrochloride and sulfate for use in powder, capsules, nasal jellies, aqueous solutions for topical application to mucous membranes or as nasal sprays, and as the alkaloid for solution in light liquid petrolatum.

Merck Ephedrine is available in the following forms:

- Ephedrine Alkaloid Anhydrous U.S.P.
- Ephedrine Alkaloid U.S.P. (Hemihydrate) Water content 5.17%
- Ephedrine Hydrochloride U.S.P.
- Ephedrine Sulfate U.S.P. Crystals and Powder

Racemic Ephedrine is available as:

- Racemic Ephedrine Alkaloid
- Racemic Ephedrine Hydrochloride
- Racemic Ephedrine Sulfate

LITERATURE ON REQUEST

MERCK

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

* 1818 *

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

NEW YORK PHILADELPHIA ST. LOUIS *In Canada:* MERCK & CO. Ltd., MONTREAL AND TORONTO

Drugs, Fine Chemicals

USP Lactic Acid Advanced—Ceiling Awaited on Methanol —Maximum Prices Set on Acetic Acid—Glycerin Factors Meet With OPA — Menthol Strengthens

Advancing prices of USP lactic acid, stronger undertones in the menthol market, ceiling prices set on acetic acid, a ceiling momentarily expected on methanol, and a call for all glycerin factors to meet with the Office of Price Administration on Friday, September 26—such were some of the oustanding developments last week in the drug and fine chemical market.

Shortages abounded throughout the list of fine chemicals, and most producers seemed to be serving their regular customers only. Goods in resellers' hands would command price premiums, but it was clear that resale stocks are dwindling steadily, and total disappearance would not be unexpected, since few manufacturing consumers can get more than their actual manufacturing needs—and often they get that on a ration basis.

Consumption was in record volume. Defense needs had first call, and the extent to which actual defense requirements take up the output of the leading manufacturers was only a trifle less than extraordinary. And since Federal government plans call for a constant increase in manufacturing requirements, nothing but short supplies seems a reasonable prospect for the future.

Acetone.—Firm. Resales getting increasingly scarce. Producers have ready market for every pound of output.

Acid, Boric.—Producers hold firm price position. Improved deliveries has eliminated priorities.

Acid, Citric.—Producers retain unchanged schedule. Resellers far higher than producers. Demand slower. Seasonal turn in call.

Acid, Lactic.—U.S.P. higher. Quotations:—U.S.P. XI, 85 percent, 50c. to 53c. per pound as to quantity; U.S.P. VIII, 75 percent, 48c. to 51c.

Acid, Tartaric.—Scarcity grows in resale market. Producers' price position strong. Deliveries little better. Production carefully rationed among regular customers.

Agar.—Strong under dwindling supply. No replacements from Japan likely to arrive.

Alcohol.—Quotations on tax paid pure alcohol due for a rise October 1 because of higher revenue tax. Denatured alcohol, all formulas, strong and steady under official price ceiling. Demand boiling under high pressure consumption needs.

Bismuth Metal and Salts.—Firm to strong position for metal. Demand for salts excellent. Competition in eclipse.

Bromides.—Most producers reported well sold up. Any secondhand stocks would bring premium. Very little turns up in resale quarters.

Cadmium.—Fully stabilized. Practically no resale metal available. Producers regulate deliveries on basis of available supplies and known needs of consumers.

Caffein.—Producers control market for major part of consumer needs. Export permit situation reduced opportunity to sell at sharp resale advances of makers' prices. Demand good. Raw material supply uncertain.

Calcium Glycerophosphate.—Very firm. Demand normally active. Holders reserved.

Camphor.—Synthetic material firm at late advance. Output engaged far ahead. Stocks Japanese natural getting steadily smaller.

Castor Oil.—Oil firm under excellent volume demand. Consumption fully up to recent size. Prices hold firm.

Chicago, Sept. 23.—Castor oil price firm. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12½c. per pound; drums, less than car lots, 13¼c.; tanks, 11⅝c.; No. 3, extracted, returnable drums, car lots, 12¼c. per pound; drums, car lots, 13c.; tanks, 11⅜c.

Cocoa Butter.—Quiet and lower. Car lots, 22½c. to 23c. per pound.

Codliver Oil.—Seasonal consumption reducing stocks steadily. Fair reserves held in strong hands. Little local competition.

Cream of Tartar.—Little resale material around. Producers making market. Strong undertone. No surplus

Price Changes

Advanced

Lactic acid, USP XI, 8c. per lb.
USP VIII, 8c. per lb.
Molasses, blackstrap, 1c. per gal.
Tartaric acid, resale, 5c. per lb.

Reduced

Cocoa butter, ½c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
222.1	222.1	222.2	204.1

Market news that may have developed after this report was sent to press will be found on page 4.

Saccharin

He sailed from San Francisco in late Fall, 1917, Vladivostok-bound with suitcases heavy with saccharin. It was midwinter when the west-bound Trans-Siberian train with the American and the saccharin drew into a siding near Sverdlovsk in the snow-bound Ural Mountains and stopped alongside the train bound east from St. Petersburg to Vladivostok.

The Russian civilian with the shabby leather case and a soldier guard were already plunging through the drifts to meet the American as he dropped from his train and unloaded the suitcases heavy with saccharin.

Ceremony was short. Identification established, cases were exchanged, and the American started the return trip to Vladivostok carrying a well-worn case filled with platinum, while the Russian loaded the suitcases filled with saccharin on the train bound West for St. Petersburg. The United States needed platinum for war purposes. Russia craved sweets. And two men had made an Even-Steven swap of platinum for saccharin.

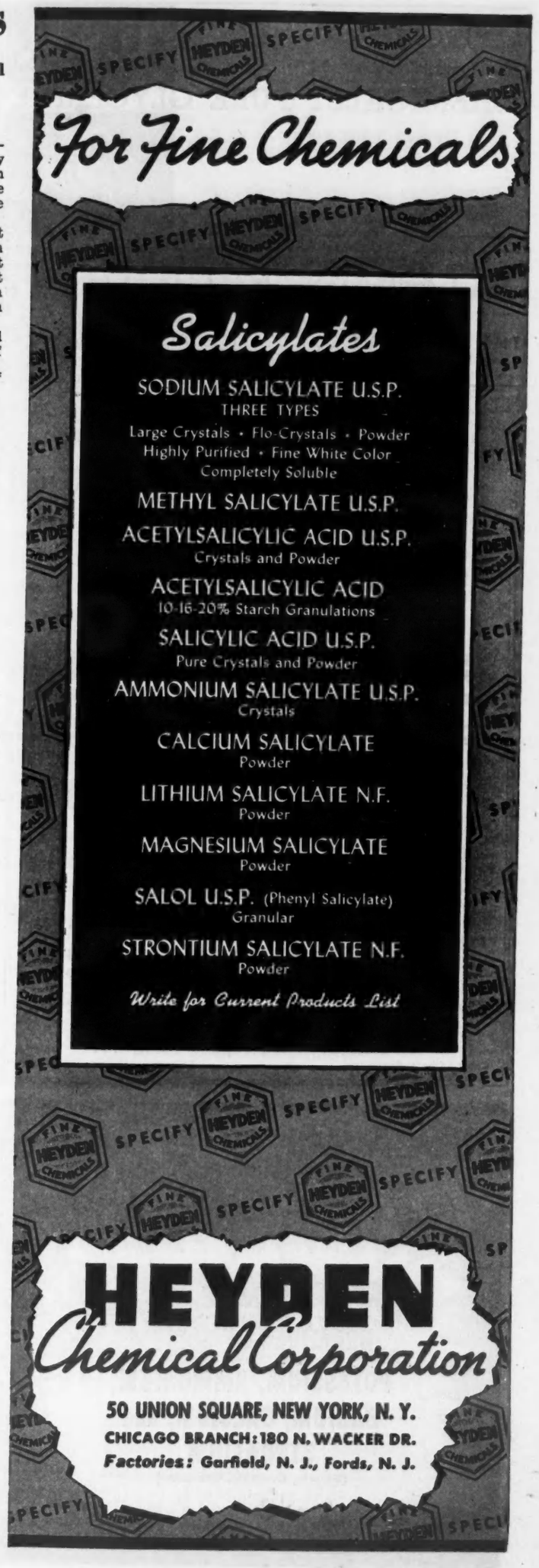
The saccharin exchanged for platinum cost $46 per pound. When World War No. 1 began in 1914, saccharin was $1.55. In two years it was $20. In 1917-1918 it actually sold as high as $50 per pound here. One week after World War No. 1 ended, it was quoted at $11.

Two years of World War No. 2 has left saccharin prices unaltered at $1.45 per pound. In London it fetches around $19 behind a high import duty.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

DCAT Meeting, Skytop, Pa., Oct. 23-25.



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BARIUM, CALCIUM, and
STRONTIUM
(Pellets, Crystals, Granular)
JOSEPH TURNER & COMPANY
PROVIDENCE RIDGEFIELD, N. J. CHICAGO

of supply with makers. Production cost running high.

Creosote.—Prices noted are purely nominal. Nothing offered new buyers. Situation very tight.

Ephedrine.—Season of larger consumption nearer. Prices on lowside, result of keen competition. Change in position should not surprise.

Fish Liver Oils.—Communications from South America and Cuba indicate growing interest in finding a market for fish livers and oils produced in countries to the South. Advices from the Pacific Coast showing growing tightness of supplies and an indisposition to quote on the part of sellers.

San Francisco, Sept. 23.—Trade here refuses to quote fish liver oil prices. Situation appears uniform among all sellers and producers. Each transaction based on conditions prevailing at time of sale. Materials in strong hands. Absolutely a sellers' market. Stocks scarce. Shark catch very light.

Formaldehyde. — Strong demand. Stabilized prices. No ceiling on raw material yet.

Glycerin.—Situation at standstill. Prices frozen all around. Office of Price Administration met glycerin factors on Friday. Sellers of crude at "high" prices give indication of needed price stabilization through OPA. Future of values turns definitely on cost of soaplye to refiners.

Chicago, Sept. 23.—Glycerin market firm. Prices for both chemically pure and high gravity are:—Tankcar, 19¼c. per pound; drums, car lots, 19½c.; drums, less than car lots, 20c.

Hydrogen Peroxide. — Scarcity in some raw material, due to defense needs. Undertones exceptionally firm.

Menthol.—Undertones firmer. Fewer sales at $6.75 per pound. Many ask $7 minimum. No domestic synthetic on open market.

Methanol. — Announcement OPA price ceiling expected momentarily. Program now in force calls for rise in quotations on group B methanol October 1. Advance to be 10c. per gallon unless cancelled by OPA action.

Methyl Acetone.—Group B producers' program calls for 10c. rise October 1. No sign yet from OPA regarding possible ceiling.

Molasses.—Higher. Atlantic ports, 12½c. per gallon. Gulf ports, 12c. Strong undertone. High demand. Prices Current in September 15 and 22 issues should have read 11c. Gulf ports, and 11½c. Atlantic ports.

Potash Guaiacolsulphonate.—In limited supply. Sellers restrict sales carefully. Strong undertones.

Procaine.—Excellent export inquiry reported. Increased production assists in meeting foreign needs within reason.

Quicksilver.—Holding firm at recent levels. Movement good. No spot accumulation of stocks. Pacific Coast production moving steadily. Local factors usually confine sales to regular customers.

San Francisco, Sept. 23.—Quicksilver prices held to a more or less voluntary ceiling, with $190 per flask quoted. Interest continues. Sellers sold ahead. Small lots only appear on spot.

Quinine.—Major part of actual requirements met by regular supplies. Careful control of supply continues. Every effort to prevent goods reaching resellers and to eliminate speculative profits.

Saccharin.—Very firm. Some resale activity. Producers hold quotations in full stabilization. Some commission merchants rejecting speculative orders.

Salol.—This item escapes the inflated prices of World War No. 1 days. Legitimate needs apparently met with reasonable promptness.

Santonin.—Market $175 to $180 per pound. Very firm. Little competition. No surplus.

Seidlitz Mixture.—Little if any resale material floating around. Pro-

—Continued on page 46

McK.&R. Reorganization Costs Are Filed

Claims for allowances for services rendered in connection with the reorganization of McKesson & Robbins, Inc., were filed in the Federal district court in this city September 15. The claims approximated $1,500,000. William J. Wardall, who served as trustee, asked $250,000, and Winthrop, Stimson, Putnam & Roberts, counsel for the trustee, asked for $450,000. Mr. Wardall cited the increase in the company's earnings during his service, the recovery of approximately $2,500,000 for the company, and the reduction in the creditors' claims to $30,150,000 from $34,800,000.

Consolidated net profit of McKesson & Robbins, Inc., for six months ending June 30 was $1,988,791.93 after interest and provision for Federal taxes, according to a pamphlet report mailed to stockholders by W. J. Murray, jr., president, which set forth in detail the condition of the business as of July 1, when the company formally emerged from reorganization. The deduction for Federal income and excess profits taxes was $850,000. This was based on the present law plus estimated additional taxes based on proposed new legislation and after certain non-recurring tax savings arising from the reorganization.

Merck & Co. Adds Vaupel To General Sales Division

C. G. Vaupel, formerly chief chemist of the Universal Mills, Fort Worth, Tex., has joined the general sales division of Merck & Co. Inc., manufacturing chemists, Rahway, N. J. He will be engaged in sales and technical service on those commodities distributed by the general sales division, with special emphasis on the distribution of vitamins and minerals to the flour, cereal and feed industries.

Mr. Vaupel has been a member of the American Association of Cereal Chemists for the past twelve years. He is vice-chairman of the Lone Star Section of the American Association of Cereal Chemists. In the past year, Mr. Vaupel has been active in a wheat improvement program, sponsored by the Texas Wheat Improvement Association. He is a graduate of Kansas State College, where he received his Bachelor of Science degree. For the present he will make his hadquarters at Fort Worth, Texas.

International Vitamin Sold

Stockholders of International Vitamin Corporation approved September 17, offer of American Home Products Corporation to acquire property of corporation through an exchange of stock. Offer provided in effect for the exchange of eight shares of stock of International Vitamin Corporation for one share of American Home Products Corporation. There were outstanding 204,000 shares of International Vitamin so that the exchange would require 25,500 shares of American Home Products stock.

Red squill grows extensively in the Southern parts of Greece and the Greek islands. It is not gathered in commercial quantities.

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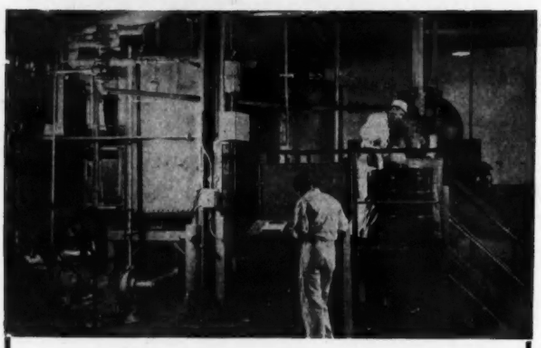

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CALCO CHEMICAL DIVISION
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Drugs, Fine Chemicals

—*Continued from page 44*

ducers' values appear to prevail. Situation continues very strong.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅜	23½
Monday	24	34⅜	23½
Tuesday	24	34⅜	23½
Wednesday	24	34⅜	23½
Thursday	24	34⅜	23½
Friday	24	34⅜	23½

Resale Markets

Inquiry among brokers and commission men showed that supplies of fine chemicals and drugs offered by secondhands and resellers were growing steadily smaller. For example, fair-sized resale stocks of cream of tartar were on the market recently, but practically none was offered spot last week.

Resale prices were noted on the following materials:—Acetone, 15½c. per pound; antifreeze alcohol, 85c. per gallon borax, 5½c. to 6½c. per pound; caffeine, $8 to $9; citric acid, 75c. to 80c.; formaldehyde, U.S.P., 40 lb. carboys, 35c.; formaldehyde, 40 percent solution, $3.50 per gallon; Rochelle salt, 58c. to 60c. per pound; saccharin, $1.85 to $2; U.S.P. salicylic acid, 55c.; soda perborate, 32c., and tartaric acid, 75c. per pound.

Sterling Products Decree Defended

—*Continued from page 3*

tice of the department to enter consent decree in a civil proceeding, enjoining the defendants from repeating the illegal practices which led to the proceeding. The terms of these consent decrees, which are always determined by negotiation with counsel for the defendant, vary from case to case, depending upon the particular facts which are involved.

In this case a consent decree was necessary to invalidate for all future time the illegal contracts on which the criminal information was founded, to prevent the German dye trust from relitigating the same questions in civil suits between private parties, and to prevent the re-establishment of any future relationship of the same kind between Sterling and the German dye trust . . . .

The illegal contracts which were the basis of the fines in this case were entered into in 1926 for the sole motive of eliminating competition and long before the Hitler revolution. To attempt to destroy the usefulness of the organization in the present crisis because of this misdeameanor would be the height of stupidity and folly. The decree, therefore, is of great economic importance in freeing this organization from the obstacles which have prevented it in the past from establishing American trade outlets in South America.

Power Alcohol Tests Have Satisfactory Results

—*Continued from page 5*

In normal times, the substitution of alcohol for gasoline in automotive fuel on a large scale, is not considered probable, especially if the production cost of alcohol continues substantially higher than a gasoline. Conservationists point out, however, that known resources of petroleum in the United States have a limited life at the present rate of consumption and that sometime it may be necessary to substitute some other fuel.

The Bureau of Standards tests developed both the good and the bad points of alcohol and gasoline mixtures. For example, the tests demonstrated that while alcohol can be used as a substitute for gasoline in automobile engines, such engines cannot be started cold in freeezing weather with alcohol alone.

These experiments likewise showed that when used in the same engine gasoline and alcohol will deliver about the same maximum horsepower. Since alcohol contains less energy than gasoline, the engine, when suitably adjusted to give maximum horsepower with each fuel, will require about one and one-half gallons of alcohol to equal one gallon of gasoline in total output.

Alcohol is an anti-knock fuel and alcohol-gasoline blends knock less readily than the same gasoline without the alcohol, and for this reason can be used in high-compression engines.

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HYOSCINE
HYOSCYAMINE
LOBELINE
PILOCARPINE
SPARTEINE
VERATRINE
YOHIMBINE

NOTES

Sept. 1939 War declared. Consideration given to enlarging our Alkaloidal manufacturing facilities. Comfortable imported stocks of Alkaloids held here. Difficulty in competing with European labor costs. Decision to proceed with manufacture of comprehensive line of Alkaloids, etc.

Sept. 1940 Peace rumors. Buyers temporarily hold off declaring near future requirements. Stocks of imported materials have largely disappeared. Our knowledge of world markets for required crude materials prompts continuance of Alkaloidal manufacture, despite risk involved. Service to the industry.

Sept. 1941 PENICK LABORATORIES now recognized as *main source* of supply for Alkaloids and related Plant Principles. Frequently necessary to resort to secondary and lower yielding crudes. Higher production costs. Substantial extension of research laboratories. Appropriations for experimental work in domestic growth of important Botanicals. Substantial quantities of Alkaloids required by customers under Defense Program. Need for Alkaloids in established products, from standpoint of public health. Disposition on part of customers to anticipate requirements and insure supplies.

Sept. 1942 ?

The continued support of our manufacturing customers will afford them still better facilities and service.

OTHER PLANT PRINCIPLES

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

Upward Readjustment of Medicinal Crude Drugs Prevailing Trend—Every Effort Made to Hold Rises Within Reasonable Limits — All Collection Costs Higher

Medicinal botanical drugs came in for a substantial readjustment of prices, made mainly for the purpose of bringing spot quotations into line with what is being paid for replacement stocks of both domestic and foreign-grown crude drugs.

The revisions were mainly upward, and it was clear that buyers were faced with rising prices. All efforts of dealers have been directed toward keeping within moderate limits have not proven entirely successful.

The cold, hard fact is that firsthand suppliers of dealers' stocks are getting higher than usual prices on new-crop goods. This is definitely true as concerns the domestic articles. Rising prices to field workers have prevailed during the collection. The higher levels were necessary to encourage workers to remain drug collectors and not go into defense industries almost as a unit. Such industries have absorbed many former field workers, and labor shortage has contributed greatly to the raising of prices paid the workers.

Of course, so far as botanical drugs still available from foreign countries are concerned, prices on such merchandise were certainly getting no cheaper. Hence the strengthening of spot quotations.

Balsams

Copaiba.—Quiet but very steady. Little competition among firsthands.

Fir.—Canadian balsam moving in good volume. Fully firm prices. Stocks moderate and in strong hands.

Barks

Cottonroot.—Higher and stronger at 14c. to 15c. per pound. Stocks moderate.

Cramp.—Ranging widely from 30c. to 65c. per pound, according to seller. Some southern varieties offered declared to be poisonous. Some dealers have destroyed such material. Little available at 65c. figure, which is not southern material.

Orange Peel.—Haitian sweet peel advanced to 10c. to 12c. per pound. Picklers finding use for same.

Simarubra.—Higher at 40c. to 45c. per pound. In low supply and holdings show fairly high cost.

Soap.—Domestic cut bark available shade lower at 16c. to 18c. per pound.

Vanilla Beans

Plenty of vanilla beans in the French island of Madagascar, but how to get them to New York? Efforts of the Department of State at first met a British stonewall in the form of a blockade which the British refused to raise.

Recently requests of the department received more sympathetic attention — especially since the United States government is actually buying graphite there. Hope that beans would be allowed to come here has surged strongly.

Then, the French bankers in Madagascar doused cold water on the expectations by a demand that payment for the beans be made even before an American ship gets to Madagascar. On the graphite, the government pays the banks after the American ship has loaded the graphite.

All payments are made into a New York fund and vanilla bean importers realize that should the boat not reach there and should the beans never arrive here, those who had paid before the beans were loaded would have a tough time getting their money back.

So the American vanilla bean user should realize that the Madagascar beans are still in Madagascar and that there is little reason beyond a shadowy and vague hope that they actually will come on this market. At the best, the future is only a trifle brighter.

Price Changes

Advanced

Angelica root, domestic, 15c. per lb.
Bloodroot, 7c. per lb.
Blueflag root, 2c. per lb.
Buchu leaves, 5c. per lb.
Cottonroot bark, 4c. per lb.
Cramp bark, 10c. per lb.
Culvers root, 6c. per lb.
Canary seed, Morocco, ¼c. per lb.
Coriander seed, bleached, ½c. per lb.
Cinnamon, Ceylon No. 2, 2c. per lb.
Ginger, African, 2c. per lb.
Cochin, 5½c. per lb.
Grains of Paradise, 4c. per lb.
Millet seed, early yellow, ¼c. per lb.
early fortune, ½c. per lb.
Lobelia herb, 12c. per lb.
Lycopodium, $1 per lb.
Orange peel, Haitian, 2½c. per lb.
Pinkroot, 2c. per lb.
Pimento, 1c. per lb.
Rhubarb root, 7c. per lb.
Raspberries, dried, 10c. per lb.
Simarubra bark, 5c. per lb.
Sage, Dalmatian, 10c. per lb.
Spearmint leaves, 5c. per lb.
Tarragon herb, 30c. per lb.
Wormwood leaves, 8c. per lb.

Reduced

Cassia, Saigon, all thin, 1c. per lb.
Cassia fistula, 4c. per lb.
Celery seed, Indian, 2c. per lb.
Gentian root, whole, 2c. per lb.
ground, 2c. per lb.
powdered, 2c. per lb.
Ipecac root, whole, 10c. per lb.
powdered, 10c. per lb.
Juniper berries, 5c. per lb.
Laurel leaves, Portuguese, 2½c. per lb.
Marjoram, Chilean, ½c. per lb.
Mustard seed, Calif., yellow, 1c. per lb.
Paprika, Portuguese, fancy, 1c. per lb.
good, 3½c. per lb.
Peppermint leaves, domestic, 5c. per lb.
Savory, 25c. per lb.
Soapbark, cut, domestic, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
288.8	287.2	278.8	193.7

Market news that may have developed after this report was sent to press will be found on page 4.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	190	2,293
Belladonna	70	76
Caraway	10	207
Cardamom (cases)	10	1,954
Celery	35	1,740
Coriander	16,396	31,549
Cumin	6,101	12,599
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	210	2,249
Henbane leaves (bales)	150	170
Mustard	...	10,017
Poppy	1,080	3,153
Sage leaves (bales)	1,203	7,308
Sesame	3,349	7,924
Stramonium	...	...
Thyme	915	2,924

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

CHECK THIS LIST

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The earth contributes and J. T. Hopkins & Company distributes every foreign and domestic botanical drug for which there is a commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

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✓ALTHEA ROOT
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✓ARECA NUTS
✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (110% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆◆◆◆ QUOTATIONS AND SAMPLES ON REQUEST ◆◆◆◆

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Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

Beans

St. Ignatius.—Very firm. Holdings limited. Prices reveal little competitive tendency.

Vanilla.—Outlook for arrival of French beans from Madagascar not good.

Berries

Juniper.—Small lots available at 70c. per pound. Ton lots and more bringing around 90c.

Raspberries.—Higher and firmer at 65c. to 70c. per pound. Demand gains.

Flowers

Elder.—Strong. Not too plentiful. No price shading.

Pyrethrum.—Still placed favorably for importers. Some trouble regarding shipment of supplies due to steamer scarcities.

Gums

Karaya.—Demand good. Active interest in forwards. Prices show strength.

Tragacanth.—Sellers show reserve. View future as hazy and uncertain. Everything depends on ship availability from source markets. War needs get first call on cargo space.

Herbs and Leaves

Buchu.—Selling at higher level of 70c. to 72c. per pound.

Laurel.—Portuguese available at 22½c. to 23c. per pound.

Liverwort.—Down to 55c. to 60c. per pound. New crop.

Lobelia.—Scarce and higher at 35c. to 37c. per pound.

Marjoram.—Chilean shaded to 12c. to 12½c. per pound.

Peppermint.—Domestic leaves down to 65c. to 70c. per pound.

Spearmint.—Higher. In light supply at 33c. to 35c. per pound.

Wormwood.—Selling around 48c. to 50c. per pound.

Miscellaneous

Balm of Gilead.—Has been selling around 55c. to 60c. per pound but new crop is not far off. Lower prices expected.

Cassia Fistula.—Lower at 18c. to 19c. per pound under competition.

Grains of Paradise.—Held around 38c. to 40c. per pound by dealers. Firsthand importers around 34c.

Lycopodium.—Trifle found available at $5.50 per pound. At least $6 to $6.50 per pound rumored paid.

Roots

Angelica.—Selling 65c. per pound. Quoted upwards of $1.75. Alleged to be based on quality of root.

Blood.—Advanced to 24c. to 25c. per pound to meet new crop values.

Blueflag.—New crop bought at higher levels. Spot up to 15c. to 20c. per pound.

Culvers.—Fetching around 22c. to 24c. per pound under competition.

Gentian.—Whole quoted at 70c. per pound. Reported sold at 75c. under competition.

Ipecac.—Shaded to $1.70 to $1.75 per pound for whole; powdered, $1.75 to $1.80.

Jalap. — Some quarters raising prices. Others hold them unchanged.

Pink.—Selling steadily around 42c. to 45c. per pound based on new crop costs.

Rhubarb.—Higher. Whole, 45c. to 50c. per pound. Powdered, 55c. to 60c. Some dealers report sales in advance of these limits. Brokers talk of 60c. for whole.

Valerian.—Eastern root around 60c. to 65c. per pound. Mighty little Belgian at any price.

Seeds

Canary.—Morocco fractionally higher at 5.80c. to 6c. per pound.

Celery.—Indian lower and slightly easier. Quoted 62c. to 63c. per pound.

Coriander.—Bleached item higher at 12½c. to 13c. per pound.

Millet.—Advanced fractionally. Yellow, 2½c. to 2¾c. per pound; early fortune, 2.30c. to 2.50c.

Mustard.—California yellow down to 12½c. to 13c. per pound. New crop marketed.

Spices

Cassia.—All in strong position. Slight shading on all thin Saigon item. Quoted 36c. to 37c. per pound.

Cinnamon.—No. 2 Ceylon higher at 26c. to 27c. per pound.

Ginger.—African higher at 30c. to 32c. per pound. Cochin sharply higher at 30c. to 31c. Jamaica root strong.

Paprika.—Portuguese lower. Fancy, 34½c. to 35c. per pound; good, 30c. to 31c.

Pepper.—Fairish demand from grinders. Stocks in this country substantial. Black Lampon small fraction lower at 6¼c. to 6½c. per pound. White and reds particularly steady.

Trading in black pepper futures on the New York Produce Exchange from September 20 to September 26, inclusive, comprised 209 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.15	5.86	5.95@5.98
May	6.20	6.00	6.02@6.05
October	5.95	5.60	5.72@5.75
December	6.02	5.79	5.85@5.88

Pimento.—Spot buying puts Jamaica spice up to 21c. to 21½c. per pound.

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Essential Oils, Aromatic Chemicals

High Price of Raw Material Raises Distilled Ginger to Record High Position—Dwindling Stocks of Pineneedle More Valuable — Petitgrain Higher — Vetiver Up

Dealers in essential oils and aromatic chemicals reported a somewhat less hysterical demand from the manufacturing consumers and the development of a saner approach to coverage of needed raw materials. Not that demand has decreased much; it was still at excellent volume throughout the past week.

However, the surging hysteria that activated buyers fearful that their requirements could not be filled has abated considerably and to that extent the trend of conditions has been toward nearer to normal position.

Prices continued strong in all respects and there was practically no downward tendency in any division of the market. Numerous oils sold at higher quotations during the period and practically all aromatic chemicals were in a virtually nominal position as regarded prices. The fact was that output from the synthetic aromatic chemical factors was substantially behind the needs of buyers. Future output has been well engaged and nothing at this time suggests a more favorable turn of events, however welcome such a turn might be to the manufacturing consumer.

Price Changes

Advanced

Clove, 15c. per lb.
Ginger, distilled, $5.25 per lb.
Lemongrass, 10c. per lb.
Petitgrain, 15c. per lb.
Pineneedle, 50c. per lb.
Vetiver, Java, $6.25 per lb.

Reduced

Hemlock, 2c. per lb.
Spruce, 2c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
224.4	224.0	220.7	122.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond. — Natural and synthetic materials strong and scarce. Demand outruns supply.

Amyris.—A trifle around $3.75 per pound. No general distribution of stocks.

Anise.—Steady consumption at fully firm prices. Little or no competition locally. Replacement very firm.

Bay.—Inquiry up. Sales gain moderately. All values showing more firmness.

Birchtar.—Small stocks available. Sellers not anxious for orders. Total elimination of item not unlikely.

Bois de Rose.—Strong, spot and Brazil. Offerings conservative, spot and source. Prices keep upward tendency.

Cajeput. — Values strengthening. Only small lots available and little is held at minimum quotations.

Calamus.—Nothing available nor in sight.

Cananga.—Strong. Demand moderate. High costs tempers interest. Stocks at low ebb.

Cardamom. — Still tend higher. Stocks extremely small. Cannot be readily replaced.

Caraway. — Token offerings just about confirm a market. Situation practically nominal because of inconsequential supply.

Cassia. — Underlying tone very strong. Prices backed by minimum supplies. Most sellers quote subject to confirmation. No anxious sellers.

Celery.—All prices subject to confirmation and change without notice. Purely nominal situation due to subnormal size of stocks.

Clove.—Minimum at $1.30 to $1.35 per pound in drums and very strong for a good quality item. Little Madagascar leaf oil believed still in dealers' hands. Retail druggists have plenty of it.

Dill.—Active season in full swing. Buyers find prices firm to strongly held.

Eucalyptus.—Gaining demand finds stocks limited and strongly held. Prices tend higher.

Ginger.—Raw material has gone to 30c. per pound. On basis of 2 percent oil yield, market at $12 per pound declared justified. Also accounts for sales made at $18 and $20. Virtually nominal position.

Hemlock.—Market lowest at 93c. per pound. Ranges to $1.15. Reported firmer of late.

Juniper.—None on open, spot market. Last heard of around $15 per pound for an article of domestic distillation.

Lemon.—Demand shows seasonal tapering off. Still active, however. Market firm as ever.

Lemongrass.—Spot up to $2 to $2.35 per pound. No surplus supply on spot. Irregular arrivals from source complicate maintenance of reserves.

Orange.—Substantial arrivals of Brazilian oil offered spot at $2.85 per pound. Eases situation some. Less concentration of demand on domestic produced oil.

Palmarosa.—Moving in good volume. Stocks limited. Replacement uniformly high, with shipment uncertain.

Patchouli.—Strong undertones due to gathering strength at replacement points. Demand fair here.

Peppermint.—Inside spot quotations lack change. Not all dealers meet minimum prices. Some talk about menthol scarcity strengthening peppermint.

Petitgrain.—Higher at $1.65 to $1.70 per pound in drums. Spot rise reflects situation developed when two primary market shippers with Axis connections were banned from exporting to this country.

Pineneedle. — Working higher and stronger. Sold spot at $2.25 to $2.30 per pound. Offerings thereat limited. All quotations subject to confirmation.

Rose.—Very little genuine unsophisticated oil available spot. Substitutes the vogue because of natural oil scarcity.

Rosemary.—Substantial part London stocks moved to spot. Situation very firm for oil of normal quality.

Sage.—No Dalmatian sage oil available. Sold out around $8 per pound. Oil of other origin quoted around $2.10 to $2.20 per pound.

Sassafras. — Oil of Brazilian origin said to be suitable for manufacturing purposes. Price around 75c. per pound.

Savin.—No spot stocks reported.

Spruce.—Minimum at 93c. per pound and tops around $1.15 per pound. This is for native oil.

Clove Oil

Even the British blockade may benefit the American consumer of merchandise. For it is the British blockade that sharply curtailed imports of clove leaf oil made in Madagascar. The United States Pharmacopoeia specifies clove buds as raw material for making a U.S.P. oil.

This Madagascar clove leaf oil has been imported here at favorable prices and in some instances has been blended with clove bud oil to get a lower net cost. The British blockade has blocked arrivals of this blending oil.

Madagascar exported 157,037 pounds of clove oil to the United States in 1939. The total of oil imported from whatever source was but 168,032 pounds. Imports, first quarter, 1941, were 20,900 pounds from all sources.

Imports of clove spice in 1939 were: British East Africa, 2,744,800 pounds; Madagascar, 1,679,000; the Netherlands Indies, 539,300 pounds, and British Malaya, 42,700 pounds. Total imports in January-May, 1941, were 2,545,000 pounds.

Domestic makers manufacture U.S.P., oil from such clove spice. Prices have tightened since August 25, 1939, when the market was 95c. per pound. U.S.P. oil today costs $1.30 per pound and occupies a strong position with the distillers showing substantial reserve.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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BENZALDEHYDE
N. F.
MANUFACTURED BY
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3430 Henderson Street Chicago
Eastern Representative: Robert & Co., 25 Broad St., New York

Thyme.—Oil of Spanish origin stocks better on spot. Stocks come from London. Prices very firm.

Vetiver.—Java oil virtually a museum piece. Sold around $15 per pound, with little still available.

Aromatic Chemicals

Acetophenone.—Sellers pressed to make prompt spot deliveries. Strong situation.

Amyl Acetate.—Moving actively. Keen, active request.

Amyl Butyrate. — More inquiry. Sellers show more reserve. Prices strengthening. Offerings smaller.

Anethol.—Strongly held at full prices. Little competition.

Anisic Aldehyde.—Production cost averaging high. Situation continued to gain strength.

Benzaldehyde.—Undersupplied in a market of large, pressing demand. Unchanged prices. Secondhands could command substantial premium.

Benzyl Alcohol.—In steady demand. Supply not too ample to meet regular customers' needs.

Benzyl Cinnamate.—Active demand in market bare of more than limited supplies to apply on new business.

Benzyl Formate. — Stocks shrink. Output well spoken for. Prices virtually nominal.

Benzyl Propionate.—No substantial expansion in demand. Volume well maintained. Quotations definitely firm to strong.

Cinnamic Alcohol.—Little to be had at any price. Virtually nominal market.

Cinnamic Aldehyde. — Sellers reserved. Stocks actual and potential well spoken for. No surplus in sight.

Citral. In narrow supply that cannot readily be augmented.

Citronellal.—Demand ahead of supply. Likely so to remain. Prices all subject to confirmation.

Citronellol. — Limited quantities available. Mainly of jobbing size. No general market reserve.

Diacetyl.—In good request at firm, well maintained quotations.

Diphenylmethane.—Practically every pound has an owner before produced. Virtually nominal market in all respects.

Diphenyl Oxide.—Firm to strong undertones. Regular customers cared for in fair way. No surplus.

Eucalyptol.—Stocks kept low by lack of normal raw material reserves. Very good call.

Eugenol.—Stronger due to higher prices paid for raw material. Stocks reduced.

Hydroxycitronellal.—Production far oversold. Little to nothing available spot delivery. Quotations nominal.

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BIMS Golf Winners

BIMS of New York closed its 1941 golf season at the Lakeville Golf Club, Great Neck, L. I., September 18, with 120 participating. Martin Schultes, of the Hewitt Soap Company, awarded prizes to the following:—

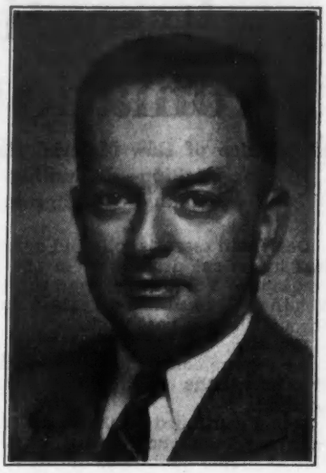
J. E. Valentine, Oxzyn Sales Company; John S. Baker, National Can Company; Russell Boland, Topics Publishing Company; William H. Green, Addison Lithographing Company; A. M. Dinkler; Louis Huntington, Ogilvie Sisters Sales Corporation; William W. Huisking, Charles L. Huisking & Co.; Peter L. Forsman, C. H. Forsman & Co.; William H. Gunther, George Schmitt & Co.; Edward A. Bush, Bush Pan America, Inc.; Frank Huisking, Conti Products Corp.; C. R. Keeley, *Toilet Requisites;* William F. Zimmerman, Helfrich Labs. of New York, Inc; Harry G. Griffiths, Pennsylvania Drug Company; Harold G. Robinson, Whittaker, Clark & Daniels, Inc.; John H. Curry, Ogilvie Sisters Sales Corporation; Felix Levy-Hawes, Maurice Levy; W. J. Reik; Arthur J. Sloss, American Sponge & Chamois Company; Fred C. Kaiser, Keller-Dorian Paper Company; William Edsall Terry, American Coating Mills; Harry J. Walters, Kimble Glass Company; Joseph B. Scott, Swindell Bros., Inc.; George H. Fuller, Harriet Hubbard Ayer, Inc.; Carl C. Roth, Arrow Engraving Company; Robert Spencer, Lowe Paper Company; Sewell H. Corkran, E. N. Rowell-A. H. Wirz, Inc.; Paul Miller, International Cellucotton Products; Frank Fanning, N. I. Malmstrom & Co.; Edward J. Kessling, E. Kessling Thermometer Company, and Harry B. Grubb, Oxzyn Company.

BIMS is a social organization of buyers, importers, manufacturers and salesmen in the cosmetic, soap, drug and allied trades.

India to Make Formaldehyde

The manufacture of formaldehyde has been undertaken by a firm in South India and a pilot plant has been erected for the purpose. It is planned to start production this month, according to the Department of Commerce, Washington. The United States exported over 100,000 pounds of formaldehyde to British India during 1940 and 14,000 pounds during the first three months of 1941.

Mrs. May Thompson Evans has been named chief of the Consumer Relations section, Consumer Division, Office of Price Administration.



W. N. Doushkess
Recently Appointed Industrial Chemical Production Manager for S. B. Penick & Co., this city.

Drug Firms Financial Data Issued by F.T.C.

OPD Washington Bureau
September 16, 1941

A report on "Drugs and Medicines Manufacturing Corporations" in the Federal Trade Commission's project for the collection of annual financial reports from a large number of industrial corporations operating in many of the principal industries of the United States was issued today. The twenty-three manufacturing corporations whose financial reports are combined represent the more important concerns in this industry both from the standpoint of investment and value of goods sold. A limited number of copies of the full report are available for distribution at the office of the commission, Washington.

Searle Personnel Changes Made

G. D. Searle & Co., pharmaceutical manufacturer, Chicago, announces the following changes and promotions in its executive sales staff:—Warren R. Beck, of the St. Paul territory, to home office in Chicago to become assistant to Harry M. Smith, sales manager; Charles M. Haag, San Francisco branch manager, to New York as branch manager; Murray Getz, from Brooklyn territory, and J. Richard Henschen, from Chicago area, to assistant divisional managers under Mr. Haag. James S. Garrett will assume charge of the San Francisco office, in addition to Kansas City branch, and will be assisted by C. E. Endslow, of Seattle. J. C. Steward, of Oklahoma City, and H. J. Warnecke, of Chicago, become assistant divisional managers to Dr. LaRue E. Davis in the Central West district.

Dewey & Almy Appoints Agent For Adhesives in So. Calif.

Dewey & Almy Chemical Company, Cambridge, Mass., has appointed S. T. Dahl Company, Los Angeles, to handle 'Dewalco' and 'Gold Seal' labeling adhesives for industrial users in Southern California. Dewey & Almy operates a plant in Oakland, Calif.

Woodward Joins Penick & Co.

Edson F. Woodward, jr., has joined the technical staff of S. B. Penick & Co., Botanical Drugs, this city. Mr. Woodward completed a fellowship in the Department of Materia Medica of the Massachusetts College of Pharmacy in June, specializing in Pharmacognosy in his graduate work. Mr. Woodward joins the staff of the control department of the Penick organization at its Jersey City laboratories where his activities will embrace pharmacognostical and bioassay work.

Spencer Kellogg & Sons, Inc., has liquidated its Canadian subsidiary, Spencer Kellogg & Sons of Canada, Ltd., and has formed a new company, to be known as Spencer Kellogg & Sons (Canada) Ltd., to conduct its Canadian business.

Petroleum Products

Demand for Petroleum Products Continues to Expand—White Mineral Oils Advanced—Crude Scale Paraffin Very Short —Solvents and Naphthas Tight—Lubricants Strong

Heavy buying of all types of petroleum products continued to highlight the market during the period under review. Reports from the Midwest indicated that activity is such that premiums are being paid for crude oil in most fields. Inquiries for delivery during the remainder of the year continued to broaden during the week. Many refiners were reluctant to take on business at current prices in the belief that raw material costs will move further upward.

Prominent producers of white mineral oils have advanced quotations for spot, the increases to affect contracts on October 1. Material was very scarce and bidding was active. Petrolatums were firm and in good demand. Crude scale paraffin was very short. Movement of naphthas and solvents was hampered by lack of transportation facilities. Demand from consumers remained heavy. Lighter fractions of all types were approaching a position of scarcity.

Bidding for Pennsylvania lubricating oils remained a feature of the market. These oils were moving in rapid manner, and inquiries continued to pile up. Prices on bright stocks and cylinder oils were showing strength. Demand for gasoline was reaching record totals in all parts of the nation. Kerosene was active, with prices very firm.

Price Changes

Advanced

Oil, white mineral, dom., 5c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Heavy demand. Material available for contract deliveries. Few spot offerings. Prices firm.

Cleaners' Naphtha.—Buying interest large. Movement sluggish. Quotations firm.

Lacquer Diluent.—Very tight. Few offerings. Demand as toluol substitute continued to increase. Prices unchanged and firm.

Mineral Spirits.—Paint makers bidding actively. Deliveries hampered by transportation facilities. Prices steady.

Rubber Solvent. — Defense orders continued to mount. Fair offerings for non-defense use. Movement sluggish. Prices firm.

Stoddard Solvent.—Demand, offerings, price at levels prevailing in previous week.

V. M. & P. Naphtha.—Similar to mineral spirits, demand from the paint industry continued to increase. Price steady.

Markets at Other Centers

Chicago—Sept. 26

Strong market conditions are prevailing in general in these products, with pressure from buyers tending to tip the scales toward a tight situation. Paint industry needs are large and other buyers also are asking for more material.

Aromatic Naphthas.—Demand heavy, prices firm.

Cleaners' Naphtha.—Movement active, no price change.

Lacquer Diluent.—Various types in good call, with quotations unchanged.

Mineral Spirits.—Buying extensive, no price change.

Rubber Solvent.—Persistent demand, quotations holding strong.

Stoddard Solvent.—Buying good, price situation tight.

V.M. & P. Naphtha.—Orders active, prices steady.

New Orleans—Sept. 26

The domestic market on cleaning solvent and V.M. & P. naphtha experienced the usual seasonal demand during the past week, with prices remaining unchanged.

Cleaning Solvent.—Demand routine; price steady.

V.M. & P. Naphtha.—Normal demand; no change in price.

San Francisco—Sept. 26

A brisk demand continues to face producers of petroleum specialty products. The general market structure remains unchanged. The call for aromatic naphthas and thinners is large.

Aromatic Naphthas.—Demand active throughout the trade.

Petroleum Thinners.—Orders brisk.

Lacquer Diluent.—Trade continues to be very good.

V. M. & P. Naphthas.—Paint manufacturers re-ordering constantly.

Rubber Solvent.—Taking very good.

Stoddard.—A seasonal slackening may be seen soon; meantime orders holding up well.

Cleaners' Naphtha.—Routine.

Tulsa—Sept. 26

An exceedingly broad demand continues for solvents and naphtha, with paint manufacturers insistent bidders.

Cleaners' Naphtha.—Good demand; prices unchanged.

Stoddard Solvent. — Demand active; prices steady.

V.M. & P. Naphtha. — Offerings few; prices strong.

Lacquer Diluent.—Offerings moderate; no change in quotations.

Rubber Solvent.—Increased shipments; prices strong.

Lighter Fractions

Butane.—Spot offerings remained small last week, with stocks at previous low levels. Demand continued very heavy. Shipments light. Price unchanged.

Heptane.—Satisfactory demand. Offerings routine. Prices firm.

Hexane.—Expanded buying interest reported. Shipments somewhat heavier. Price stable.

Octanes.—Production believed adequate to meet increased demand. Inquiries more numerous. Prices unchanged and firm.

Pentanes.—Buying running ahead of last year. No changes in prices.

Propane.—Similar to butane, offerings remained small due to low stocks. Demand heavy. Price firm.

Markets at Other Centers

Chicago—Sept. 26

Limited supplies and strong tone continue to be reported in the lighter fractions section of the petroleum market. Suppliers are unable to meet all the demands made on them.

Butane.—Amounts available to the market small, prices strong.

Heptane.—Demand extensive, no price change.

Hexane.—Buying good, market holding.

Octanes.—Ordering brisk. Market firm.

Pentanes.—Movement large, with quotations unchanged.

Propane.—Offerings limited, price situation tight.

Tulsa—Sept. 26

Demand continues to increase and outmatches production despite the continued expansion in the latter.

Butane.—Few offerings; quotations strong.

Propane. — Market tight; tone unchanged.

Pentane.—Heavy call; prices strong.

Petrolatums and Waxes

Paraffin.—Demand for crude scale material continued to broaden last week, with no relief in the supply end reported. Prospective buyers were encountering difficulty in obtaining sufficient material. Prices were nominal.

Petrolatums.—Demand was brisk, with a fairly large movement reported. Offerings were near normal. Prices were steady and unchanged.

White Mineral Oils.—Prospective buyers were encountering difficulty in securing material sufficient for their needs. Prominent producers have advanced the spot price to regular customers 5c. per pound. Contract prices will be hiked a similar amount October 1.

Markets at Other Centers

Chicago—Sept. 26

Firm and fairly active market conditions are prevailing in this division. Orders have shown a disposition to improve in some cases, but sellers have given notice they are unable to take an unlimited amount of additional business and are trying to protect their positions.

Paraffin. — Some scarcity reported, prices strong.

Petrolatums. — Movement extensive, prices firm.

White Mineral Oils.—Orders good, quotations unchanged.

Tulsa—Sept. 26

Heavy demand for paraffin came into the market this week and quotations were very firm at the highest prices of the year.

Petrolatum.—Fair demand; quotations unchanged.

Paraffin.—Offerings few; prices strong.

Fuels and Lubricants

Gasoline.—Heavy demand. Market tighter. Prices steady.

Kerosene.—Large call. Prices firm.

Lubricating Oils.—Very strong. Heavy demand.

Markets at Other Centers

Chicago—Sept. 26

Principal products moving well. Price structure mostly strong.

GASOLINE.—No recession in demand, prices strong.

Kerosene.—Fair call, unchanged quotations.

Lubricating Oils.—Active buying, market stiffening.

New Orleans—Sept. 26

The market on gasoline and kerosene continued stable, with quotations remaining unchanged.

Gasoline.—Market normal; price stable.

Kerosene. — Demand moderate; no change in price.

Tulsa—Sept. 26

Demand broader. Actual consumption at high levels. Buying for inventory purposes has developed.

Gasoline.—Pick-up in demand; prices strong.

Kerosene.—Steady demand; prices firm.

Lubricants. — Large demand; prices strong.

Resale Markets

As the problem in the petroleum market is one of transportation rather than of supply, transactions in the resale market were not very extensive during the past week. Tightness in the markets for crude scale paraffin and white mineral oils made these materials the standouts as far as second hand dealings were concerned. It was reported there was also a small trade in various grades of petrolatum.

Paraffin.—Crude scale material reported to have changed hands in resale market at from 8c. to 9c. per pound.

Petrolatums. — Resale material reported available at from 1c. to 2c. per pound higher than list.

White Mineral Oils.—Second hands reported to have done business last week at from 4c. to 7c. per gallon above list.

Crude Oil

For the first time in the history of the petroleum industry, domestic crude oil production averaged more than 4,000,000 barrels daily during the week ended September 13. Output totaled 4,027,650 barrels, compared with 3,650,540 in the similar period last year. Crude oil production from January 1 to September 13 has been estimated at 951,020,995 barrels this year, against 952,075,347 in 1940.

The peak production is mostly the result of the steady decrease in crude oil stocks which has taken place since March. Stocks on September 6 totaled 247,528,000 barrels, compared with 262,716,000 on the same date a year ago. For the four weeks ended September 6, crude oil stocks decreased 2,417,000 barrels, or 86,000 barrels daily. According to weekly estimates, crude output in the same period averaged 3,927,460 barrels daily. Adding the withdrawals from inventories to this production points to an indicated demand for crude oil through the month of 4,014,065 barrels daily, which was approximately the average output of domestic fields during the week of September 13.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Wilson, Osgood Named To U.S. Petroleum Posts

OPD Washington Bureau
September 24, 1941

The Office of Petroleum Coordinator today announced the appointment of Dr. Robert E. Wilson, president of the Pan-American Transport & Petroleum Company, New York, as a member of the Industry Refining Committee for District No. 1 (Atlantic coast). Until he resigned on August 1, Dr. Wilson served as petroleum consultant to the Office of Production Management. Lieutenant Commander W. H. Osgood, who is on loan from the United States Navy, has been named as director of production for District No. 5 (Pacific coast). Commander Osgood also will serve as director in charge of the district headquarters office at Los Angeles when it is opened.

Tiona Petroleum Names J.R. Schmitt President

John R. Schmitt has been elected president of the Tiona Petroleum Company, Philadelphia, Pa. Mr. Schmitt has been identified with the oil industry for twenty-two years, having been associated with the Alliance Oil Corporation, New York, as director and treasurer, and over an extensive period with the Tide Water Associated Oil Company in its export and marketing departments.

Ind. Standard Refinery Fire Kills One, Injures Six

Fire swept a portion of the Standard Oil Company of Indiana's 700-acre plant September 24, killing one worker and injuring about six. Thousands of gallons of high-test aviation gasoline were destroyed. Firemen brought the conflagration under control nearly six hours after it started.

Trade Briefs

Crankcase oil used by State cars will be refined for use a second time, under a plan proposed by the California State Finance Department.

Sohio Pipe Line Company, a subsidiary of Standard Oil Company of Ohio, has purchased a 300-acre tank farm from Ohio Oil Company.

Parker L. Melvin of Bradford, Pa., president of the Pennsylvania Crude Oil Association, has been appointed by Governor Arthur H. James as his representative on the Interstate Oil Commission.

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A.C.S. Divisional Officers Appointed

—Continued from page 4

Western Cartridge Co., East Alton, Ill.; secretary, J. W. McBain, 571 Foothill, Stanford University, Calif.

Fertilizer: Chairman, H. B. Siems, c/o Swift & Co. Fertilizer Works, Union Stock Yards, Chicago, Ill.; secretary, Charles A. Butt, International Agricultural Corp., East Point, Ga.

Gas and fuel: Chairman, Orin W. Rees, 920 West Charles Street, Champaign, Ill.; secretary, G. R. Yohe, State Geological Survey, Urbana, Ill.

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Water, sewage and sanitation: Chairman, Charles S. Howard, U. S. Geological Survey, Washington, D. C.; secretary, H. Gladys Swope, North Shore Sanitary District, Dahringer Road, Waukegan, Ill.

Potash Co. Shipments Delayed

The Carlsbad, N. M., plants of the United States Potash Company and the Potash Company of America were forced to halt operations for two days last week when floods in the area washed out the intake of a canal from the plants to the Pecos River. A railroad bridge also was washed away and shipments from the plants were held up for six days.

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Fertilizer Materials

Raw Fertilizer Materials Market Remains Active — Tightness Reported in Many Quarters — Prices Still Strong — Fish Scrap, Dried Blood Advanced—Chemicals Scarce

Despite the fact that this is the off-season in the fertilizer market, developments during the past week were of an active nature. The demand for feed materials remained large, and tightness was reported in many quarters. Most prices remained very strong or were advanced. Fertilizer mixers continued to voice fear that prices may be beyond their reach by the time they are ready to come into the market in a more active manner.

Many of the fishing fleets were driven toward port by storms last week, but, as the season was drawing to a close, it was doubted whether this would affect the market. Dried menhaden futures were negotiated at a higher price. Dried blood remained strong, with advances recorded for the imported and domestic at New York. Cottonseed meal dropped off sharply.

The current price of domestic nitrate of soda in bags will be continued through October, it was reported last week. There were few spot offerings, but contract movements were reported satisfactory. Sulphate of ammonia remained very tight, with the situation intensified by appearance in the market of the British Purchasing Commission to buy a large quantity for use in British possessions. Nitrate of soda and potash salts also were difficult to obtain.

Nitrogenates

Ammonia Phosphate.—Few offerings. Demand fair.

Anhydrous Ammonia.—Little available. Price steady.

Calcium Nitrate.—No offerings reported. Stocks depleted. Prices withdrawn.

Castor Pomace.—Strength in evidence. Fair demand.

Dried Blood.—New York price advanced 25c. per unit to $4.25. Imported material quoted at $4.15, an advance of 25c.

Fish Scrap.—Dried menhaden futures sold at $4.75 and 10c. per unit, an advance of 25c. Fishing season drawing to close.

Hoofmeal. — Routine movement. Price steady.

Nitrogenous Material. — Scarce. Nominal price in Midwest. Firm in East.

Nitrate of Soda.—Contract movement good. Heavy demand. Few spot offerings. Stocks light. Prices steady.

Sulphate of Ammonia.—Large demand continued. Spot offerings small. Good movement on contract. List prices prevailed.

Tankage.—Fair demand reported for all items. Prices very firm but unchanged.

Fish Scrap

This week will probably mark the termination of fishing in Middle Atlantic waters. Reports last week were that storms at sea had driven many of the boats into port, but the fact that the end of the season was so close indicates that this will have very little effect on the market.

Sales of dried menhaden futures have been better than moderate this season to date. Price fluctuations have been somewhat narrow, ranging from $4.25 and 10c. to $4.75 and 10c. for most transactions. Most of the production has been booked at $4.50 and 10c. Sellers of late have been disposed to hold out for higher figures, and in the near future the price may range above its present level of $4.75.

Primary estimates are that production this year will be well maintained and that demand will be greatly increased. The absence of substantial foreign offers will be a factor in the increased demand, while the shortage of other organics also will play a prominent role.

Price Changes

Advanced

Blood, dried, dom., 25c. per unit, f.o.b. N. Y. imp., 25c. per unit, c.i.f. ports.
Fish scrap, dried menhaden, futures, 25c. per unit, Chespeake Bay factories.

Reduced

Cottonseed meal, 8%, $4.50 per ton, Southeast mills.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.6	70.6	70.2	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Phosphates

Bone Materials.—Feed demand large. Fair movement. Stocks not substantial. Offerings curtailed. Prices steady and unchanged.

Phosphate Rock.—Market remained very active. Movement large. Inquiries well maintained. Prices unchanged.

Superphosphate.—Offerings limited. Demand well maintained. Prices steady.

Potashes

Potash salts continued to move well on contract. Deliveries were regular during the week. Spot offerings were limited by low stocks. Resale market reported active. Prices steady and unrevised.

Sulphur and Pyrites

Demand for crude sulphur held to good levels during the week. Contract buyers were ordering in good volume and shipments were well maintained. Spot offerings were routine. Price was steady.

Markets at Other Centers

Atlanta—Sept. 26

Cottonseed meal turned downward after its sudden advance and is now at $39.50. Other organic ammoniates remain tight. No changes are reported in chemicals.

Superphosphate.—58c. per unit, interior producing points.

Nitrate of Soda.—Bulk, ports, $30 per ton.

Sulphate of Ammonia.—Scarce; $29 per ton, ports; $28, ovens.

Cottonseed Meal.—8 percent grade, $3.50, Southeastern points.

Blood.—Imported, $3.90 per unit, ports.

Tankage.—Fertilizer grade, $3.75 and 10c.; high grade, $5.50 and 10c., Chicago.

Baltimore—Sept. 26

Firmness is reported in the market, with some of the products holding to moderately higher figures.

Fish Scrap.—The weather has not been favorable for menhaden fishing operations along the Atlantic Coast, and practically no fish were taken in the Chesapeake Bay. Last trading was recorded at $4.75 and 10c. per unit-ton, basis Baltimore.

Superphosphate.—The market still is at $9.50 per ton for run-of-pile and $10 for 16 percent flat, while 20 percent supplies are steady nominally at $12 per ton.

Tankage.—The last sales of which there is any record were negotiated at $5 and 10c. per ton, a higher level than had been touched for a long time.

Dried Blood.—The market is reported firm, with considerable interest manifested at $4, but with sellers asking $4.10 to $4.15 per unit-ton.

Chicago—Sept. 26

Continued strength is evident in the fertilizer materials market. Prices have been moving higher, accompanied by firm tone and lively bidding for a number of materials. Blood is in good call at relatively high prices. Tankage busi-

—*Continued on page 58*

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Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Ass'n of Officials Agricultural Chemists, Washington, Oct. 27-29.
American Society of Agronomy, Washington, Nov. 12-14.
National Fertilizer Ass'n, Atlanta, Ga., Nov. 17-19.

Shipping Information

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Imports at U. S. Ports

New York Imports

ACID, TARTARIC—228 bgs, British American & Eastern Co, Inc, Valparaiso
AGAR—12 bls, H A Johnson
25 bls, S B Penick & Co
1 bl, B C Ritchie & Co
10 bls, H A Johnson
20 bls
ALCOHOL, AMYL—1 cs, Nestles Milk Product, Havana
ALOE—23 cs, Selma Mercantile Corp, Curacao
ANISE, STAR—34 bls, Hinton & Co
42 bls, J H Forbes
ANNATTO SEED—75 bgs, J A Manton, Kingston
ARROWROOT—2,600 bgs, Morningstar-Nicol, St Vincent
ASPHALT—800 bgs, Allied Asphalt & Mineral Corp, Havana
BANANA POWDER—387 bgs, Sanib Corp, Puerto Barrios
170 bgs, Sanib Corp, Puerto Barrios
BEEF LIVER EXTRACT—35 kegs, Lederle Lab, Havana
BONE CHARCOAL—400 bgs, Hollingshurst & Co, Havana
BONES—603 bgs, American Agricultural & Chem Co, Barranquilla
BRISTLES—50 cs, Universal Trading Corp
112 cs, Universal Trading Corp
80 cs, Chase National Bank
3 cs, Universal Trading Corp
75 cs, A M Capens
28 cs, C Garcia
50 cs, T H Cone & Co
25 cs, A A Krejtman
75 cs
13 cs, M Broverman
3 cs, Lindsay Trading Corp
58 cs, Mitsui & Co
CARDAMOM—15 cs, Norda Essential Oil & Chem Co
20 cs, R J Prentiss & Co
20 cs, Knickerbocker Mills Co
CASKETS—2 cs, Ford Motor Co
CASEIN—250 bgs, Credo Commodities Co, Buenos Aires
334 bgs, Credo Commodities Co, Buenos Aires
CASSIA—200 bls, Wah Young Trading Co
30 bls, Hudson North Corp
100 bls, Arnhold & Co
84 bls, Knickerbocker Mills Co
250 bls, Balfour, Guthrie & Co
300 bls, A G Dunn
100 bls, Archibald & Kendall
50 bls, Knickerbocker Mills Co
200 bls, A G Dunn
200 bls, W Archibald
500 bls, A G Dunn
500 bls, W Archibald
200 bls, A G Dunn
100 bls, Arnhold & Co
100 bls, M Cohen
90 bls, Edmond Weil
100 bls, Arnhold & Co
BARK—208 bls, Elbrook, Inc
BROKEN—50 bls, Archibald & Kendall
100 bls, A G Dunn
168 bls, East Asiatic Co
BUDS—30 bgs, Knickerbocker Mills Co
ROLLS—100 bls, W Archibald
100 bls, W Archibald
150 bls, Durkee Famous Food
300 bls, Wah Young Trading Co
160 bls, Archibald & Kendall
150 bls, Durkee Famous Food
200 bls, W E Martin
VERA—669 bls, Catz American Co
964 bls, Catz American Co
516 bls, Catz American Co
390 bls, Catz American Co
CASTOR BEANS—3,387 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Bahia
5,088 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
5,100 bgs, Guaranty Trust Co, Bahia
3,401 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
6,730 bgs, Baker Castor Oil Co, Recife
3,400 bgs, Baker Castor Oil Co, Recife
5,100 bgs, Baker Castor Oil Co, Recife
2,541 bgs, Baker Castor Oil Co, Recife
2,500 bgs, Baker Castor Oil Co, Fortaleza
1,900 bgs, Bunge North American Grain Co, Fortaleza
3,210 bgs, Baker Castor Oil Co, Fortaleza
1,702 bgs, Guaranty Trust Co, Fortaleza
1,600 bgs, Fortaleza
3,237 bgs, Baker Castor Oil Co, Fortaleza
1,569 bgs, Guaranty Trust Co, Fortaleza
2,150 bgs, Baker Castor Oil Co, Fortaleza
600 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Guaranty Trust Co, Bahia
940 bgs, Spencer Kellogg & Sons, Bahia
3,400 bgs, Baker Castor Oil Co, Bahia
1,694 bgs, Baker Castor Oil Co, Bahia
1,698 bgs, Spencer Kellogg & Sons, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
850 bgs, Spencer Kellogg & Sons, Bahia
1,694 bgs, Baker Castor Oil Co, Bahia
CHARCOAL—605 bgs, American Overocean Corp, Kingston
CHEMICALS—10 cs, J E Bernard & Co
CHINESE GRASS—14 bls, Arnhold & Co
CINCHONA BARK—1,000 bls, Merck Co
500 bls, Chase National Bank
292 bls, Central American Plantation Co, Puerto Barrios

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CINNAMON QUILLS—100 bls, E S Klinko
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75 bls, C T Wilson
200 bls, I Harrison & Whitney
50 bls, D Hecht Co
100 bls, Knickerbocker Mills Co
100 bls, E S Klinko
125 bls, C T Wilson Co
200 bls, I Harrison & Whitney
30 bls
COCOA BEANS—1,000 bgs, J Henry Schroeder Banking Corp, Bahia
1,000 bgs, National Bank of New York, Bahia
3,000 bgs, W Bartholmew Co, Bahia
1,000 bgs, Brown Bros-Harrimann Co, Bahia
3,000 bgs, A C Israel Commodity Co, Bahia
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
3,000 bgs, W Bartholmew Co, Bahia
1,000 bgs, Guaranty Trust Co, Bahia
1,000 bgs, Brown Bros-Harrimann Co, Bahia
4,000 bgs, J Henry Schroeder Banking Corp, Bahia
75 bgs, Struller & Wood, Jeremie
26 bgs, W & A Leaman, Jeremie
145 bgs, Struller & Wood, Jeremie
63 bgs, Struller & Wood, Jeremie
110 bgs, Transmarine Mercantile Co, Cape Haitian
1,000 bgs, W Bartholomew Co, Bahia
1,000 bgs, J Henry Schroeder Banking Corp, Bahia
RESIDUE—2,667 bgs, Woodward & Dickerson, Bahia
COCOA BUTTER—500 cs, E Adler, Bahia
1,644 cs, M Goloietz, Bahia
60 cs, T M Duche & Sons, Bahia
414 cs, Bank of London-South America, Bahia
1,383 cs, Chase National Bank, Bahia
847 cs, Woodward & Dickerson, Bahia
847 cs, Woodward & Dickerson, Bahia
COCONUT DESIC—950 bgs, General Food Sales Corp
750 cs, Phil Levy
162 cs, Philippine Desic Coconut Co
15 bgs, Philippine Desic Coconut Co
2,159 pkgs, Durkee Famous Food
2,300 bgs, General Food Sales Corp
4,500 bgs, General Food Sales Corp
1,250 bgs, General Food Sales Corp
555 bgs, Wood & Selick
COCONUTS—500 bgs, Universal Import & Export Co, St Vincent
300 bgs, Barclay Bank, St Vincent
1,100 bgs, General Food Sales Corp, St Vincent
400 bgs, Barclay Bank, St Lucia
350 bgs, H Schnell, St Lucia
623 bgs, Roseau
641 bgs, Roseau
CORK—55 bgs, Mundet Cork Corp
245 bgs, Mundet Cork Corp
SHAVINGS—238 bls, Mundet Cork Corp
100 bls, Mundet Cork Corp
800 bls, Mundet Cork Corp
100 bls, Mundet Cork Corp
VIRGIN—1,000 bls, Mundet Cork Corp
3,123 bls, United Cork Co
205 bls, Mundet Cork Corp
900 bls, Mundet Cork Corp
1,140 bls, Mundet Cork Corp
1,501 bls, Mundet Cork Corp
680 bls, Mundet Cork Corp
700 bls, New York & Cuba Mail S S Co
1,200 bls, Mundet Cork Corp
900 bls, Mundet Cork Corp
1,818 bls, Mundet Cork Corp
1,580 bls, Mundet Cork Corp
1,500 bls, Armstrong Cork Co
870 bls, Wicander & Co
430 bls, Mundet Cork Corp
536 bls, Mundet Cork Corp
WASTE—800 bls, Mundet Cork Corp
1,700 bls, Mundet Cork Corp
800 bls, H Stern
259 bls
116 bls, Mundet Cork Corp
440 bls, Mundet Cork Corp
600 bls, Mundet Cork Corp
1,093 bls, Mundet Cork Corp
1,360 bls, New York & Cuba Mail S S Co
122 bls, Mundet Cork Corp
516 bls, New York & Cuba Mail S S Co
859 bls, Armstrong Cork Co
1,164 bls, Armstrong Cork Co
1,566 bls, Crown Cork & Seal Co
100 bls, Mundet Cork Corp
1,059 bls, Mundet Cork Corp
1,046 bls, Crown Cork & Seal Co
2,448 bls, Crown Cork & Seal Co
WOOD—499 bls, Mundet Cork Corp
384 bls, Mundet Cork Corp
124 bls, Cork Product Co
427 bls, Cork Product Co
35 bls, New York & Cuba Mail S S Co
2,862 bls, Mundet Cork Corp
55 bls, Pablo Calvet & Co
250 bls, Wicander & Co
274 bls, Wicander & Co
250 bls, Mundet Cork Corp
COTTON LINTERS—129 bls, Schimmel Trading Corp, Recife
21 bls, Cecil Kutz, Recife
107 bls, Schimmel Trading Corp, Recife
77 bls, Riverside Mills, Recife
97 bls, Schimmel Trading Corp, Recife
321 bls, Santos
1,106 bls, Santos
1 bl, Anderson Clayton & Co, Santos
COTTONSEED HULL FIBER—191 bls, Hercules Powder Co, Santos
458 bls, Hercules Powder Co, Santos
778 bls, Hercules Powder Co, Santos
655 bls, Hercules Powder Co, Santos
DERRIS ROOT—37 bls, Elbrook Co
81 bls, Rothschild & Co
40 bls, Dodge & Olcott Co
40 bls, R J Prentiss & Co
47 bls, Elbrook Co
DIVI DIVI—1,336 bgs, Curacao
1,980 bgs, Curacao
DRAGON'S BLOOD—30 cs, Paul Elbogen Co
ESPATO FLOUR—1,440 bgs, Carr Bros, Vera Cruz
FLIES, DRIED—21 bls, S B Penick & Co, Vera Cruz
GALANGAL ROOT—112 bls, S B Penick & Co
GLUESTOCK—70 bls, H Remis & Co, Rio de Janeiro
GRAPHITE—572 bgs, Asbury Graphite Mills
1,335 bgs, Paterson, Boardman & Knapp
1 parcel, J P Eberhart Co, Bahia
GUM, ARABIC—150 bgs, Credo Commodities Co
BENZOIN—17 cs, Edmond Weil
CHICLE—246 bls, Mexican Exploitation Co, Vera Cruz
673 bls, Mexican Exploitation Co, Vera Cruz
158 bls, Mexican Exploitation Co, Vera Cruz
502 bls, Mexican Exploitation Co, Vera Cruz
273 bls, F Huber & Co, Vera Cruz
COPAL — 60 bgs, Stroock & Wittenberg Corp
95 bgs, France, Campbell & Darling
134 bgs, O G Innes Corp
42 bgs, Stroock & Wittenberg Corp
30 bgs, Stroock & Wittenberg Corp
CRUDE — 6 cs, Transmarine Mercantile Corp, Cape Haitien
ELEMI—130 cs, G H Lincks
DAMMAR—200 pkgs, Thurston & Braidich
50 bgs, Thurston & Braidich
200 cs, O G Innes Corp
300 cs, American Cyanamid & Chem Co
200 cs, Gillespie-Rogers-Pyatt Co
350 cs, Thurston & Braidich
300 cs, Irving Trust Co
400 cs, Thurston & Braidich
210 bgs, American Cyanamid & Chem Co
210 bgs, France, Campbell & Darling
50 cs, American Cyanamid & Chem Co
IPECAC ROOT—22 bgs, N Brandon & Co, Puerto Limon
27 bgs, Wessel, Duval & Co, Puerto Limon
2 bgs, United Fruit Co, Puerto Limon
JALAP ROOT—11 bgs, New York & Cuba Mail S S Co, Vera Cruz
52 bgs, New York & Cuba Mail S S Co, Vera Cruz
KOLA NUTS—100 bgs, J A Manton, Kingston
20 bgs, J G Paton, St Lucia
LIME JUICE—25 cks, W J Bush & Co, Roseau
25 cks, American Lime Corp, Rousseau
LOGWOOD—41 tons, W & A Leaman, Kingston
230,000 kilos, American Dyewood Co, Miragoane
MACE—43 cs, Catz American Co
13 cs, Catz American Co
29 cs, Catz American Co
52 cs, Catz American Co
MAGNESIA HYDROXIDE — 1 bbl, Pan-American Bureau, Havana
MANGROVE BARK EXTRACT—2,000 bgs, Saxe Cutch Corp
4,000 bgs, Saxe Cutch Corp
MANIOC FLOUR—850 bgs, Guaranty Trust Co, Bahia
MEDICINAL PREP—2 cs, Rohner, Gehrig Co, Havana
14 cs, New York & Cuba Mail S S Co, Havana
40 cs, Amfre Drug Co, Rio Janeiro
19 cs, D C Andrews & Co, Rio Janeiro
21 cs, D C Andrews & Co, Rio Janeiro
MENTHOL—20 cs, A M Capens
MICA—21 cs, Rene Weil, Vera Cruz
125 bgs, Rene Weil, Vera Cruz
39 cs, Rene Weil, Vera Cruz
90 cs, Eugene Munbell & Co, Rio Janeiro
BLOCK—20 cs, Otto Gerdan Co
36 cs, Ford Radio & Mica Co
60 cs, Ford Radio & Mica Co
6 cs, Heyman & Co
4 cs, W Brand & Co
DISCS—16 cs, Gillespie-Rogers-Pyatt Co
1 cs, Heyman & Co
FILM—5 cs, Otto Gerdan Co
1 cs, Gillespie-Rogers-Pyatt Co
8 cs, Cornelis & Suhr
45 cs, Ford Radio & Mica Co
20 cs, Bank of Manhattan
24 cs, Bank of Manhattan
5 cs, Otto Gerdan Co
10 cs, Wm Brand & Co
SPLITTINGS — 170 cs, Gillespie-Rogers-Pyatt Co
160 cs, Gillespie-Rogers-Pyatt Co
140 cs, Ford Radio & Mica Co
70 cs, Cornelis & Suhr
55 cs, Mercantile Import & Export Co
280 cs, Ford Radio & Mica Co
50 cs, General Electric Co
150 cs, Schwab Bros
50 cs, Heyman & Co
50 cs, Schwab Bros
40 cs, Heyman & Co
12 cs, Bank of Manhattan
MUSTARD SEED—188 bgs, W R Grace & Co, Valparaiso
230 bgs, W R Grace & Co, Valparaiso
MYROBALANS—600 bgs, Barkey Import Co
400 bgs, Barkey Import Co
NUTGALLS—168 bgs, Kane Import Corp
168 bgs, Hanish Love Co
168 bgs, Balfour, Guthrie & Co
NUTMEGS—260 bgs, Catz American Co
50 bgs, Thomas Scott & Co, Port Spain
250 bgs, Thomas Scott & Co, Port Spain
OIL, ANISE—50 cs, W J Bush & Co
15 dms, Magnus, Mabee & Reynard
10 dms, McKesson & Robbins
CANANGA—2 dms, Continental Bank Trust Co
2 dms, Chase National Bank
1 dm, Corn Exchange Bank
1 dm, Continental Bank Trust Co
CASTOR—200 dms, Chase National Bank, Bahia
253 dms, Tunley & Co
127 dms, Royal Bank of Canada, Santos
253 dms, Tunley & Co, Bahia
125 dms, C Williams & Associates, Rio de Janeiro
138 dms, Davies Turner & Co, Rio de Janeiro
125 dms, 1 cs, C Williams & Associates, Rio de Janeiro
OIL, CHINAWOOD—2,100 dms, Universal Trading Co
CITRONELLA — 58 dms, Chase National Bank
66 dms,
26 dms, Irving Trust Co
8 dms, National City Bank
COCONUT—560 tons, Philippine Refining Co
COD—150 dms, Canada
CODLIVER—1 cs, Canada
COTTONSEED—1 cs, Anderson Clayton & Co, Santos
ESSENTIAL—2 dms, J W Lyon, Vera Cruz
3 dms, New York & Cuba Mail S S Co, Vera Cruz
2 dms, Corn Exchange Bank, Vera Cruz
7 bbls, H A Sothern, Puerto Barrios
1 cs, Magnus, Mabee & Reynard, Vera Cruz
3 cs, P R Dreyer, Vera Cruz
7 cs, Vera Cruz
19 cs, Wells Fargo & Co Express, Vera Cruz
1 dm, J W Lyon, Vera Cruz
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
LIME—5 cs, Norda Essential Oil & Chem Co, Kingston
LIME, DIST—9 cs, Chase National Bank, Roseau
6 cs, Middleton & Co, Roseau
23 cs, Roseau
OITICICA—153 dms, Murray Oil Product Co, Fortaleza
ORANGE—33 cs, J Henry Schroeder Banking Corp, Santos
10 cs, Guaranty Trust Co, Santos
17 cs, Bank of Manhattan, Santos
36 cs, Guaranty Trust Co, Santos
24 cs, Bank of Manhattan, Santos
PALM — 297 tons, Banque Belge pour l'Etranger
165 dms, J Berlage Co
PATCHOULI — 4 dms, Continental Bank Trust Co
2 dms, National City Bank
PIMENTO LEAF—2 dms, J A Manton, Kingston
VETIVER—3 dms, Continental Bank Trust Co
ORANGE PEEL—115 bgs, Jacmel
PAPAIN—10 cs, R J Prentiss & Co
PAPRIKA—150 bgs, Herbert Marmorek
PATCHOULI LEAVES — 55 bls, Dodge & Olcott Co
PEPPER, BLACK—1,645 bgs, Catz American Co
1,175 bgs, Catz American Co
235 bgs, Catz American Co
180 bgs, J Berlage & Co
400 bgs, W R Grace & Co
PERFUME—14 cs, L Guerlain & Co, Vera Cruz
1 pkg, J A Des Angles, Havana
POTASH BITARTRATE—100 bgs, Paul A Korody & Co, Rio de Janeiro
QUASSIA CHIPS—300 bgs, R J Prentiss & Co, Kingston
80 bgs, Peek & Velsor, Kingston
QUICKSILVER—2 flasks, W A Jordan, Vera Cruz
25 flasks, New York & Cuba Mail S S Co, Vera Cruz
40 flasks, New York & Cuba Mail S S Co, Vera Cruz
25 flasks, New York & Cuba Mail S S Co, Vera Cruz
20 flasks, New York & Cuba Mail S S Co, Vera Cruz
QUININE SULPHATE — 111 cs, Guaranty Trust Co
40 cs, R W Greeff & Co
100 dms, R W Greeff & Co
63 cs, R W Greeff & Co
RUTILE ORE—267 cs, Leonard J Buck, Rio de Janeiro
SAPONIN—15 cs, Pfaltz & Bauer, Valparaiso
SENNA LEAVES—35 bls, S B Penick & Co
15 bls
50 bls, E Meer Co
25 bls
50 bls, S B Penick & Co
28 bls
50 bls
PODS—25 bls
15 bls
SESAME SEED—168 bgs, J H Forbes
112 bgs, Credo Commodities Co
SHELLAC—200 bgs, Ralli Bros
200 bgs, MacLac Co
350 bgs, Gillespie-Rogers-Pyatt Co
340 bgs, Wm Zinsser & Co
200 bgs, Schwab Bros
50 bgs, Philadelphia Natl Bank
150 bgs, A Hurst & Co
300 bgs, MacLac Co
275 bgs, Wm Zinsser & Co
200 bgs, E E Androvette
BUTTON LAC—100 bgs, Cornelis & Suhr
200 bgs, Schwab Bros
100 bgs, Wm Zinsser & Co
100 bgs, Gillespie-Rogers-Pyatt Co
GARNET LAC—100 bgs, Wm Zinsser & Co
SEEDLAC—300 bgs, Ralli Bros
200 bgs, Dings & Schuster
300 bgs, Cornelis & Suhr
100 bgs, Mercantile Import & Export Co
200 bgs, Gillespie-Rogers-Pyatt Co
500 bgs, Mac Lac Co
500 bgs, Mantrose Corp
200 bgs, Schwab Bros
100 bgs, Dings & Schuster
400 bgs, Cornelis & Suhr
250 bgs, Gillespie-Rogers-Pyatt Co
350 bgs, Mac Lac Co
400 bgs, Mantrose Corp
SODA NITRATE—37,893 bgs, Chilean Nitrate Sales Corp, Iquique
SILICOFLUORIDE—28 bbls, 17,982 lbs, Jungmann & Co
SPONGES—19 bls, Gulf & West Indies Co, Havana
4 bls, Havana
6 bls, New York & Cuba Mail S S Co, Havana
WASTE—2 bls, New York & Cuba Mail S S Co, Havana
STARCH, POTATO—6 bgs, Stein, Hall & Co, Havana
TAMARINDS—1 cks, American Lime Corp, St Lucia
TANKAGE—508 bgs, Santos
TANNING EXTRACT—205 bgs, Colony Import & Export Co, Barranquilla
TANTALIUM ORE—19 bxs, W H Muller Co, Recife
TAPIOCA FLOUR—16 bgs, H S Cramer & Co, Cape Haitien
200 bgs, Havana
TARTAR—44 bls, Dodwell & Co
TOLU BALSAM—100 cs, Wessel, Duval & Co, Barranquilla
44 cs, I Megrihi, Barranquilla

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

WAX, BEES—23 bgs, D Steengrafe, Havana
30 bgs, Credo Commodities Co, Buenos Aires
140 bgs, W R Grace & Co, Valparaiso
192 pkgs, Alex Pickering & Co
4 bgs, Struller & Wood, Jeremie
22 bgs, Transmarine Mercantile Corp, Cape Haitien
29 bgs, W Russel Howe, Vera Cruz
46 bgs, Van Oppen & Co, Havana
CARNAUBA — 68 bgs, Smith & Nichols, Bahia
68 bgs, Wessel, Duval & Co, Bahia
31 bgs, American Cyanamid & Chem Co, Bahia
40 bgs, Intermares Corp, Bahia
34 bgs, I R Boody & Co, Bahia
136 bgs, American Cyanamid & Chem Co, Bahia
68 bgs, Strahl & Pitsch, Bahia
68 bgs, American Cyanamid & Chem Co, Bahia
36 bgs, American Cyanamid & Chem Co, Bahia
OURICURY—60 bgs, Avon Trading Corp, Bahia
60 bgs, Innis, Speiden & Co, Bahia
60 bgs, F B Ross & Co, Bahia
286 bgs, A Hurst & Co, Bahia
60 bgs, A Hurst & Co, Bahia
385 bgs, A Hurst & Co, Bahia
55 bgs, Wessel, Duval & Co, Bahia
55 bgs, Distributing & Trade Co, Bahia
50 bgs, Pan American Trust Co, Bahia
169 bgs, Brown Bros, Harriman Co, Bahia
72 bgs, A Hurst & Co, Bahia
33 bgs, National City Bank, Bahia
110 bgs, Distributing & Trade Co, Bahia
60 bgs, A Hurst & Co, Bahia
286 bgs, A Hurst & Co, Bahia
168 bgs, National City Bank, Bahia
143 bgs, A Hurst & Co, Bahia
110 bgs, Smith & Nichols, Bahia
72 bgs, American Cyanamid & Chem Co, Bahia
55 bgs, A Hurst & Co, Bahia
143 bgs, A Hurst & Co, Bahia
WOLFRAM ORE—440 bgs, Metal Reserves, Arica
YEAST—1 cs, Standard Brands, Havana
1 pkg, Standard Brands, Havana
ZINC, OXIDE—800 bgs, New York & Cuba Mail S S Co, Vera Cruz
160 bgs, Robinson-Wagner Co, Vera Cruz
ZIRCONIUM ORE—400 bgs, Chase National Bank, Santos
100 bgs, Santos

New York Transit Imports

ANISE STAR—100 bls, Sokol & Co, Chicago
BRISTLES — 223 bls, Riverside Mills, Augusta, Ga
CASSIA—140 bls, San Francisco
300 bls, East Asiatic Co, Montreal
200 bls, S L Jones & Co, San Francisco
100 bls, S L Jones & Co, San Francisco
COCONUT, DESIC—600 bgs, San Francisco
400 bgs, San Francisco
COPRA MEAL—2,000 bgs, San Francisco
2,016 bgs, Spencer Kellogg & Sons, San Francisco
2,040 bgs, San Francisco
COTTON LINTERS — 100 bls, West Texas Cotton Oil Co, Santos, Houston
2,277 bls, West Texas Cotton Oil Co, Santos, Houston
331 bls, West Texas Cotton Oil Co, Santos, Houston
2,354 bls, West Texas Cotton Oil Co, Santos, Houston
COTTON LINTERS—474 bls, West Texas Cotton Oil Co, Santos, Houston
437 bls, West Texas Cotton Oil Co, Santos, Houston
GRAPHITE—515 bgs, Superior Flake Graphite Co, Chicago
MICA, SPLITTINGS—32 cs, Chartered Bank of India, Montreal
80 cs, Montreal
OIL, CASTOR—211 dms, Montreal
25 dms, S C Kaplan, Toronto
SENNA LEAVES—35 bls, Montreal
SERUM—1 dm, Buffalo
SHELLAC—150 bgs, Montreal
300 bgs, Mac Lac Co, Montreal
475 bgs, Montreal
100 bgs, J Henry Schroeder Banking Corp, Montreal
325 bgs, Montreal
300 bgs, E E Androvette, Montreal
GARNET LAC—125 bgs, Wm Zinsser & Co, Montreal
SEEDLAC—250 bgs, Parks Co, Boston
200 bgs, Berry Bros, Detroit
STEATIC POWDER—399 bgs, Heyman & Co, Montreal

Baltimore Imports

BLOOD, GRD—1,384 bgs, Buenos Aires
BONES—2,179 bgs, Santos
4,205 bgs, Buenos Aires
CHROME ORE—1,000 tons, Beira
3,700 tons, Baracoa
7,402 tons, Beira
4,200 tons, Santa Cruz
COPRA—2,423 tons, Procter & Gamble Co, Cebu
2,000 tons, Procter & Gamble Co, Zamboanga
IRON ORE—5,000 tons, Masinloc
3,500 tons, Bethlehem Steel Co, Daiquiri
2,400 tons, Bethlehem Steel Co, Rio de Janeiro
22,250 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—3,400 tons, Calcutta
2,300 tons, Zebpeters, P I
4,050 tons, Bethlehem Steel Co, Santiago, Cuba
2,000 tons, Calcutta
OIL, FUEL—79,000 bbls, Standard Oil Co of N J, Aruba
QUEBRACHO EXTRACT—10,721 bgs, Buenos Aires
TANKAGE—20,416 bgs, Buenos Aires

New Orleans Imports

COCOA BEANS—122 tons, Bocas del Toro
COCONUTS—13 tons, Tela
10 tons, Belize
27 tons, Puerto Cortes
GUM, CHICLE—31 tons, Belize

Philadelphia Imports

CHROME ORE—6,500 tons, Takoradi
FLAXSEED—6,358 tons, La Plata
IRON ORE, CHROME BEARING—3,000 tons, Philippine Islands
MANGANESE ORE—1,750 tons, Bombay
MOLASSES—1,425,603 gls, E I Du Pont de Nemours & Co, Inc, Port Tarafa
1,399,165 gls, Publicker Alcohol Corp, Antilla
PETROLEUM (CRUDE)—30,336 bbls, Gulf Oil Corp, Puerto la Cruz
73,143 bbls, Gulf Oil Corp, Las Piedras
59,418 bbls, Gulf Oil Corp, Puerto la Cruz
SOAPSTOCK—151 bbls, Buenos Aires

Exports from U. S. Ports

New Orleans Exports

AMMONIA SULPHATE—186 tons, Puerto Cortes
CARBON BISULPHIDE — 1 bx, Puerto Cabezas; 1 dm, Ceiba
CELLULOSE—19 tons, Tampico
FIRECLAY—16 tons, Colon
GASOLINE—13 tons, Belize; 242 tons, Puerto Cortes
GLASS, WINDOW—19 tons, Cristobal
KEROSENE—43 tons, Colon
LARD—26 tons, Havana; 26 tons, Cristobal
LIME—158 tons, Puerto Cortes; 225 tons, Ceiba
OIL, DIESEL—85 tons, Ceiba, 71 tons, Puerto Cabezas
FUEL—273 tons, Ceiba
LINSEED—2 dms, Puerto Cabezas
LUBRICATING—68 tons, Cristobal; 45 tons, Barranquilla; 25 tons, Cartagena
QUEBRACHO EXTRACT—68 tons, Havana; 24 tons, Tampico; 47 tons, Vera Cruz
ROSIN—92 tons, Barranquilla; 81 tons, Cartagena; 295 tons, West Coast South America
SALT—181 tons, Havana; 23 tons, Belize
SHRIMP BRAN—15 tons, Cristobal
SODA CAUSTIC—59 tons, Havana; 235 tons, Vera Cruz; 54 tons, Tampico
SILICATE—25 tons, Ceiba
SPRAYERS—18 tons, Tampico
STEARIN—111 tons, Vera Cruz
SULPHUR—40 tons, Tampico; 23 tons, Vera Cruz
TAR—20 tons, Vera Cruz
WAX—95 tons, Vera Cruz

Philadelphia Exports

ACID, PHOSPHORIC—97 crbys, Santos
BENZOL—60 dms, Rio de Janeiro; 100 dms, Buenos Aires
CLAY—8 bgs, Buenos Aires
DYEWOOD EXTRACT—101 dms, 120 cs, Buenos Aires; 30 dms, Santos
ETHYL FLUID—86 dms, Buenos Aires
GREASE—10 cs, Rio de Janeiro
ILMENITE—124 bgs, Buenos Aires
OIL, LUBRICATING—335 cs, 164 dms & 5 bbls, Rio de Janeiro; 25 dms, & 35 cs, Buenos Aires; 265 cs & 15 dms, Santos; 86 dms & 85 cs, Maranhao; 1,103 dms, 2,774 cs & 15 bbls, Pernambuco; 97 cs & 15 dms, Rio Janeiro
RESIN, SYNTHETIC—12 bbls, Montevideo; 12 dms, Buenos Aires
SODA, CAUSTIC—70 dms, Rio de Janeiro
TANNERS EXTRACT—7 bbls, Buenos Aires
XYLOL—6 dms, Buenos Aires
ZIRCONIUM COMPOUND—2 pkgs, Buenos Aires

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—1,112 bbls, San Diego; 729 bbls, San Diego; 1,466 bbls, San Diego; 1,764 bbls, San Diego; 2,790 bbls, San Diego; 3,397 bbls, San Diego; 3,555 bbls, San Diego; 1,747 bbls, San Diego
OIL, DIESEL—1,455 bbls, San Diego; 1,200 bbls, San Diego; 2,092 bbls, San Diego
FLUSHING—3,223 bbls, Davenport
FUEL—15,703 bbls, Portland; 54,775 bbls, Portland; 72,849 bbls, Seattle; 68,300 bbls, Seattle; 48,282 bbls, Portland; 25,062 bbls, Richmond; 66,468 bbls, Davenport

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended September 24

Caraway seed, 10 bags; filthy.
Cod oil, 100 drums; restricted use.
Medicinal prepartions, 4 parcels; new drug.
Medicinal preparations, 1 case; false therapeutic claims.
Nutmegs, 469 bags; restricted use.
Nutmegs, 40 bags; wormy.
Sassafras oil, 4 drums; not U.S.P.
Strophanthus seed, 57 tins; not N.F.

Central America Chemical Development Being Studied

H. Bennett, of Crowley & Bennett, technical consultants of Chicago and Brooklyn, has returned from a trip through Central America. He visited Guatemala, Honduras, Nicaragua and Costa Rico. In Costa Rico he called on President Calderon Guardia to discuss the possibility of assisting in establishing small industries utilizing native products, labor, capital and equipment and keeping all profits within the country. Preliminary discussions were held in this connection. The industries that will be started first are the production of shark-liver oils, balsams, essential oils, vegetable gums and resins and rubber.

Civilian Supply Branch Chiefs Are Appointed

—Continued from page 3

consumers durable goods branch. Mr. Maury is a mining engineer. Nathaniel G. Burleigh was named chief of the industrial and office machinery branch. Mr. Burleigh has been professor of industrial management at the Amos Tuck School, Dartmouth College, since 1919.

Barton Murray was named chief of the rubber and rubber products branch. Mr. Murray is an economist and a graduate of Columbia University.

Maury Maverick was named chief of the state and local government requirements branch. John L. Haynes was named chief of the lumber and building materials branch. Norbert A. McKenna, who became chief of the pulp and paper branch when it was under the Production Division of the Office of Production Management, will continue to serve as head of that branch.

Penna. Crude Oil Price Parley Held

The conference on Pennsylvania crude oil prices, originally scheduled for September 24, was being held in the Office of the Price Administrator today. Pennsylvania oil men, here to protest the ceiling placed on Penn crude, asked the two-day postponement because of the accidental death of J. G. Martin, executive secretary of the Bradford District Pensylvania Oil Producers Association, who was en route here with data for the meeting when he was killed September 19.

Crude Oil Delivery to Phila. 50,000,000 Gallons

Philadelphia, Sept. 25, 1941

More than 50,000,000 gallons of crude oil were hauled up the Delaware river to refineries in the Philadelphia district today, breaking all records for total deliveries in a single day. The number of arrivals was twice the usual total.

Merkin Co. Buys $45,000 Defense Bonds

To aid the national defense effort, M. J. Merkin Paint Company, this city, has purchased $45,000 in defense bonds with funds from the sale of other investments. M. J. Merkin, in telling of the purchase, suggested that another form of cooperation by business organizations might be the disposal of obsolete catalogs, price lists and surplus advertising matter to the Waste Paper Industries Consuming committee, using the proceeds for defense bonds or as a contribution to USO.

Emory Schneider Heads Chicago Paint Technicians

Chicago, Sept. 15, 1941

Emory Schneider was elected president of the Chicago Paint and Varnish Production Club at the initial Fall meeting held last week. Other officers named were:—Vice-president, H. G. Bogie; secretary, L. O. Smith; treasurer, Al Stresen-Reuter, and sergeant-at-arms, Gene Le Maire. Principal speaker of the evening was Gordon Babcock, of the Reynolds Metal Company, who gave a talk on aluminum.

Pitts. Paint Technicians Discuss House Paints

Pittsburgh, Sept. 22, 1941

A discussion of the "Correlation of the Effect of Varying Climatic Conditions on Typical House Paints and Exterior Enamels" featured the September meeting of the Pittsburgh Paint and Varnish Production Club. L. E. Martin, chairman of the club's technical committee, spoke on the problem that has held the committee's attention for the past six months.

M. B. Flynt, president of the club, named the following committee chairmen for the 1941-42 season:—Nominating, Jack Shields; program, George Gregg; technical, E. J. Murray; resolutions and by-laws, Henry A. Ball; accounting, E. J. Moss; plant manager, Ira Messer, and membership, Charles Cook.

Chicago Paint Club Hears About Priorities

Fifty-six paint manufacturing members of the Chicago Paint, Varnish and Lacquer Association attended the September luncheon at the Palmer House to hear a discussion of the priorities situation by George Priest of the national association.

Robert O. Clark, of the Jewell Paint & Varnish Company, the president of the association was in the chair and the speaker was introduced immediately following lunch.

Opening his remarks with a detailed outline of the steel container situation, Mr. Priest said that the outlook for cars was more favorable than that for steel drums. True, under a temporary order, he said, steel for making paint and food drums was now available until November 1. A continuation of this order, he said, was expected in some form. However, he said, OPM is urging that all possible use be made of wooden barrels but this is complicated by the present shortage of skilled coopers. Lease lend requirements were taking hundreds of thousands of steel drums out of the country, he said.

The general picture, Mr. Priest continued, was most complex. Due to interdependence of materials and the rapidly increasing volume of Defense and Lease-Lend requirements, unexpected shortages developed rapidly, he said. The speaker urged formula revision wherever possible.

In the opinion of the N.P.V.L.A., he said, the fairest maner of handling the situation would be to establish the percentage of materials needed for the defense program (as a pool) and then distribute the balance equitably among all manufacturers on the basis of their 1940 purchases.

Drying oils had been the first materials to run short, he said, but now pigments are the big problem. The speaker then traced the history of OPM, OPACS described the manner in which N.P.V.L.A. is cooperating with the Protective Coating Section of OPM. He outlined the various speed-up policies now in operation in OPM. However, he urged that manufacturers send any questions to the Protective Coatings Section direct to avoid delays.

The speaker then discussed PR No. 1 which had, he said, ended all arguments about the acceptance of a defense order and relieved suppliers of liability due to inability to deliver under contract.

The meeting was then thrown open for questions and for more than an hour Mr. Priest answered inquiries about priorities procedure and regulations. In closing the speaker said that most of the difficulty had been caused by defense requirements outstripping plant expansions. He saw, he said, no sign of immediate improvement. However, he felt that there would be no sudden collapse of business were the war to end unexpectedly.

Buffalo Paint Club To Buy Defense Bonds

The Buffalo Paint, Varnish and Lacquer Association's initial Fall meeting was attended by nearly forty representatives of the trade from the Western New York area.

It was voted that the association invest $500 of its sinking fund in defense bonds. The matter has been referred to the executive committee. Golf prizes won during the past Summer in association play were awarded. The Buffalo association cup went to G. M. Breinig, who defeated Carter B. Rich in the playoff. The McDougall-Butler trophy was captured by Roy Lindsay, who defeated Sydney C. Murray.

Calif. Oil Conservation Plans Being Formulated

Los Angeles, Sept 26, 1941

A subcommittee of the central committee of California oil producers has been working all week to formulate a definite plan for oil conservation and development in the State which Petroleum Coordinator Ickes indicated he desired to have ready to be made effective not later than October 1.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

CHICAGO SALES organization with large warehouse, siding and ample capital is open for sales arrangements on chemicals, pigments, fillers and solvents on either agency basis or out-right purchases. BOX 370, Oil, Paint and Drug Reporter.

Agents Wanted

MANUFACTURER of lakes and toners for printing ink, carbon paper and allied trades desires established broker to handle account for Ohio. BOX 377, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—3 12x32 Day 5-roller mills, motor driven; pony mixers, 8 to 80 gals.; 3 Kent 8-in. lab., and 5 Ross, 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 and 1,250 gals. jacketed mixers; 30 filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick Street, New York City.

MUST DISPOSE of four Patterson silex lined pebble mills, type "B," geared, T. & L. pulleys, drive shafts, iron housings, and pebbles. $500 each, $1,800 takes all four. Brown & Company, P. O. BOX 65, Wellsville, Ohio.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 335, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, one-story, 100x100, concrete floors with drains, office, steam plant, adjoining yard 75x100, unrestricted district lower Bronx. Bargain—sale or lease. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Manufacturing Wanted

SMALL MANUFACTURING tablet plant is looking for compressing work or subcontract on government work. BOX 379, Oil, Paint and Drug Reporter.

Materials Offered

SO_2-ACTIVATED Fatty Oils—Waterman's outstanding work on tunglike linseed oil and phenol derivatives; complete translation from Verfkroniek 1940, 130, 162, 180; price $1.25 (cash with order, $1.15). Progress Interpreted, Fayette, Missouri.

WE SHALL receive in a fortnight Mexican mica in the form of selected mica, ready for splitting or for cutting, block mica and splittings. Consumers who are interested in obtaining information on samples and price should communicate immediately with BOX 380, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE dark blood albumen crystals. About 30,000 pounds packed in 100 pound bags. Box 358, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

LYCOPODIUM SUBSTITUTE (lycopodium artificiale), components starch, talc, wax, wanted, U. S. manufacturers only, require dust fine and yellow material. Submit your offer with sample to BOX 374, Oil, Paint and Drug Reporter.

INTERESTED in offers odd lots, standard or off grades, zinc sulphide, steam distilled pine oil, raw linseed oil foots, Manila gums, accaroid or yacca gum. P. O. BOX 151, Trenton, N. J.

Positions Vacant

JUNIOR CHEMIST wanted by Chicago lacquer manufacturers. College degree not required. State age, education, experience, salary expected. All replies confidential. BOX 375, Oil, Paint and Drug Reporter.

Positions Vacant

YOUNG MAN, college graduate, chemistry degree, wanted to learn color-matching (litho ink field). State full details as to age, educational background, draft status, experience, salary, etc. BOX 381, Oil, Paint and Drug Reporter.

Positions Wanted

ABLE, SEASONED chemist, D.Sc., experienced both as a consultant and as an employee, open for salaried position. Direct experience in practically the entire field of chemical and allied industries. Have directed research and development, have had a long patent experience, have done much introductory sales promotional work. Very highest references for business skill, scientific knowledge, technical resourcefulness and energy. BOX 372, Oil, Paint and Drug Reporter.

PHARMACIST, registered, 36, Protestant, with hospital, manufacturing and store experience, is interested in any fair proposition in New York or vicinity. BOX 376, Oil, Paint and Drug Reporter.

CHEMIST, young graduate student, experienced laboratory technique and plant control work, desires position with future possibilities; food or pharmaceutical industries preferred but not essential. Draft deferred. BOX 378, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 611, 60 East 42nd street, New York City.

GUARANTEED
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FOR THE CHEMICAL AND PROCESS INDUSTRIES
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Re: American Filter-Mass Corp.
DANIEL GREENWALD, Auctioneer SELLS
THURSDAY
OCT. 2, 1941, at 1 P. M.
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PLANT and MACHINERY for MANUFACTURE of FILTER-MASS

R. Dudgeon, Inc., Hydraulic Press, 3000 lb. pressure with 3 HP AC Motor and Compressor.
Mixing Tank, 500 Gal. with 10 HP AC Multispeed enclosed induction Motor with reduction drive.
Gehnrich Drying Unit, 3 Truck Capacity with 1 US AC 7½ HP enclosed Motor and 1 Small Motor for Exhaust.
Oil Burner and Tank—275 Gal.
10 Large Galvanized Tubs.
6 Dryer Room Rack, Truck and 1000 Racks.
Hot Water Boiler and Stove.
Large Copper Drain.
Drums of Oil, Tissue Paper, Wax Paper, Vats, Table, Partitions, Piping, etc.

Inspection: Day of Sale 10-1 P. M.

Fertilizer Materials

—Continued from page 55

Markets at Other Centers

ness remains quite good. Bone materials have enjoyed more buyer interest than in a long time. In general, organics remain in strong market position.

Blood.—Principal grade, $4.30 to $4.35 per unit of ammonia.

Tankage.—High grade, $5.40 to $5.50 and 10c.; hoof meal, $2.90 to $3; liquid stick, $2.40 to $2.50.

Bone Materials. — Ground, steamed bone, 1¼ and 60 percent, $40 to $42; 3 and 50 percent, $39 to $40; 4½ and 50 percent, $39 to $40; grinding hoofs, pigs' toes and waste horn materials, $40 to $42.50; cattle jaws, skulls and knuckles, $40 to $42.50; pork cracklings, soft pressed, $57.50 to $60; beef cracklings, soft pressed, $52.50 to $55; hard pressed cracklings, per unit of protein, $1.15 to $1.20.

San Francisco—Sept. 26

A heavy demand from the feed trade is forcing a price bulge on all organic fertilizer materials and the market has been rather active here of late. Chemicals are marking time owing to the general lack of offerings in first hands. Reselling is prominent.

Sulphate of Ammonia.—Schedule price of $38 per ton in 100-pound bags.

Nitrate of Soda.—100-pound bags, $33 per ton, ex-vessel or warehouse. 167-pound bags, $32.40. Bulk, $30.

Superphosphate.—Domestic, 83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

Fish Meal.—Advanced. Trading active. San Francisco Bay production, 67 percent, $70 per ton. Monterey, 65 percent, $68.50, spot; $69, futures.

Tankage.—Dry-rendered, ground, 50 percent, $55 per ton, f.o.b. cars; 55 percent, $60. Unground, 90c. to 95c. per unit, f.o.b. cars, South San Francisco.

International Agricultural Corporation stockholders will vote October 28 on proposal to change the name of the company to International Minerals & Chemical Corporation.

WANTED ZINC SLUDGES : RESIDUES : PRECIPITATES and SLIMES
Also residues, slimes, metal alloys, and metallic by-products containing Vanadium—Nickel—Tin—Bismuth—Cadmium—Tungsten—Molybdenum
METALLURGICAL PRODUCTS CO.
35th and Moore Sts. Established 1909 **Philadelphia, Pa.**

The Utmost in Service
LARGE STOCK — QUICK DELIVERY
MONEY SAVING

SPECIAL ITEMS FROM STOCK

4—4 ft. x 6 ft. Iron Oliver Filters.
8—2,000 lbs., 1,200 lbs., 800 lbs. Dry Powder Mixers.
2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other smaller sizes.
1—Oates 10 ft. copper Calandria Pan; other Vacuum Pans, 50 to 500 gals.
12—Ball Mills, 10 gals. to 500 gals.
7—3-Roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals. other W. & P., 2 gals. to 2,000 gals.
1—450 gal. Nickel jacketed Kettle.

CLOSING OUT
Machinery and Equipment of Drug, Food and Chemical Mfr.
Located at Buffalo, N. Y.
Send for Printed Circular Listing: Complete Coffee Dept.; Packaging Units; Stokes 90-C Auto. Tube Filler, Closer, Clipper; Dry Powder Mixers; Rotary Labeler; Percolators; Copper Tanks, Glass Lined Tanks; Soap Chip Dryer; Jacketed Kettles; Grinders; Pulverizers; Suppository and Lipstick Molds; Pumps. Attractive Price on Quick Action.

Don't Forget our Regular Stock of the Finest Rebuilt Machinery and Equipment—Send for Complete Lists

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13-18 Park Row - - New York, N. Y.
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Corporation Earnings Recently Reported

Company.	Period.	1941 Net income.	1941 Per share.	1940 Net income.	1940 Per share.
American Cyanamid Company	6 Mos.	$2,649,921	$0.93	$2,357,673	$0.85
American Metal Co., Ltd.	6 Mos.	1,434,051	1.00	1,062,063	.70
American Viscose Company	6 Mos.	3,375,201	1.60	4,067,420	2.00
American Zinc, Lead & Smelting Co.	6 Mos.	389,296	.32	253,640	.12
Anaconda Copper Mining	6 Mos.	22,844,060	2.63	17,549,546	2.02
Archer-Daniels-Midland Co.	12 Mos.	3,103,167	5.69	3,047,015	5.42
Armstrong Cork Company	6 Mos.	2,492,281	1.69	2,114,655	1.42
Borden Company	6 Mos.	3,510,581	.80	3,302,322	.75
Bristol-Myers Company	6 Mos.	1,305,458	1.95	1,142,841	1.68
Celanese Corp. of America	6 Mos.	3,149,921	1.66	3,426,480	2.00
Certain-teed Products Corp.	6 Mos.	518,721	.48	168,581	.08
Climax Molybdenum Company	6 Mos.	3,975,025	1.58	3,466,225	1.38
Coca-Cola Company	6 Mos.	16,007,511	3.77	15,030,170	3.54
Commercial Solvents Corp.	6 Mos.	904,982	.34	1,046,551	.40
Continental Can Co.	12 Mos.	8,670,908	2.88	8,879,628	2.80
Continental Oil Co.	6 Mos.	3,857,664	.82	2,388,286	.51
Crown Cork & Seal Co.	6 Mos.	1,566,780	2.54	1,381,717	2.18
Diamond Match Co.	6 Mos.	1,002,991	.77	1,003,236	.77
General American Trans. Corp.	6 Mos.	2,406,291	2.31	2,281,164	2.21
General Aniline & Film Corp.	6 Mos.	2,348,317	.32	1,492,197	.20
Harbison-Walker Refractories Co.	6 Mos.	1,730,800	1.20	939,200	.62
Heyden Chemical Corp.	6 Mos.	541,072	4.18	372,641	2.88
Hilton-Davis Chemical Co.	12 Mos.	235,323	1.17	255,708	1.58
International Nickel of Canada	6 Mos.	17,315,607	1.12	18,060,293	1.17
Kennecott Copper Corp.	6 Mos.	23,785,673	2.20	‡24,787,364	2.29
U. S. Rubber Co.	6 Mos.	6,203,314	2.07	4,234,239	.94
Vick Chemical Co.	12 Mos.	2,804,026	4.12	2,792,165	4.05
West Virginia Pulp & Paper	9 Mos.	3,382,624	2.97	2,497,463	1.99

‡ Deficit.

Index to Advertisements

Acme Steel Drum Co. —
Advance Solvents & Chemical Corp. 60
Alabama Charcoal Co. —
Alexander, Jerome 54
Alkydol Laboratories, Inc. —
Allied Asphalt & Mineral Corp. 34
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. —
American Can Co. —
American Cyanamid & Chemical Corp. 23
American Firstoline Corp. 44
American Flange & Mfg. Co. —
American Potash & Chemical Corp. 54
American Resinous Products Corp. 34
Anderson-Prichard Oil Corp. —
Angus, W. W., Inc. —
Ansbacher-Siegle Corp. —
Apex Chemical Co., Inc. 44
Association of Consulting Chemists and Chemical Engineers, Inc. 54
Atlantic Coast Fisheries Co. 44
Atlantic Refining Co. —
Atlas Powder Co. —

Baker, J. T., Chemical Co. 1
Barber Asphalt Co. 36
Barium & Chemicals, Inc. 28
Barium Reduction Corp. 26
Barrett Company 30, 55
Bay State Chemical Co. 34
Bemis Bro. Bag Co. —
Benzol Products Co. —
Berk, F. W., & Co., Inc. —
Binney & Smith Co. 36
Brighton Copper Works —
Brode Corp., The 40
Bromund, E. A., Co. —
Bureau of Chemistry 54
Burke, Edw. S. —
Bush Pan-America, Ltd. —
Bush, W. J., & Co., Inc. —

Calco Chemical Division 46
Calif. Fruit Growers Exchange 17
Capital City Products Co. —
Carbide & Carbon Chemicals Corp. 2
Carey, The Philip, Co. —
Chemical Industries, Exposition of —
Chemical Sales Corp. 30B
Chemical Solvents, C. P., Inc. 60
Chilean Nitrate Sales Corp. —
Church & Dwight Co. 26
Coastwise Petroleum Co. 30B
Colgate-Palmolive-Peet Co. 47
Colledge, E. W., General Sales Agent —
Colton, Arthur Co. 36
Columbia Chemical Division —
Commercial Solvents Corp. —
Consolidated Products Co., Inc. 58
Consumers Import Co., Inc. 60
Continental Can Co. —
Coupe, Robert A. 26
Cowles Detergent Co. —
Crown Can Co. —

Darling & Co. 40
Day Chemical Company 54
Desert Chemical Company —
Diamond Alkali Co. —
Dickhart, W. H. 54
Dodge & Olcott Co. 52
Doggett, Stanley, Inc. —
Douglass Sulphur Co. 28
Dow Chemical Co. —
Dunkel, Paul A., & Co., Inc. 50
Du Pont de Nemours, E. I., & Co., Inc. 20, 59
Durez Plastics & Chemicals, Inc. 34

Eastman Kodak Co. —
Edwal Laboratories, Inc. —
Eelsingh & Lugtigheid 46
Ehrlich, J. 54
Ellis-Foster Co. 54
Emery Industries, Inc. 39
Enequist Chemical Co. 28

Faesy & Besthoff, Inc. 60
Felton Chemical Co., Inc. 52
Fezandie & Sperrle 29
First Machinery Corp. 58
Food Research Laboratories, Inc. 54
Frank-Vliet Co., Inc. —
Franks Chemical Products Co. 34
Freeport Sulphur Co. —
Fritzsche Bros., Inc. 34, 50
Fulton Bag & Cotton Mills 27

Gartenberg, H., & Co. 29
General Chemical Co. —
General Drug Co. 16
General Electric Co. —
Gesell, R., Inc. —
Givaudan-Delawanna, Inc. —
Golwynne Chemical Corp. 21
Gray, William S., & Co. 1
Gray Industrial Laboratories 54
Greeff, R. W., & Co. 47
Gross, A., & Co. 39
Gruman, J. B., Co. 56
Gunning & Gunning 47

Hallowell, Horace J. 54
Hardesty, W. C., Co., Inc. —
Harshaw Chemical Co. —
Heekin Can Co. —
Heyden Chemical Corp. 43
Holt, C. J., Co., Inc. 54
Hooker Electrochemical Co. —
Hopkins, J. L., & Co. 49
House of Wallace —
Huisking, Chas. L., & Co. —
Hutchinson, D. W., & Co., Inc. 51

Imperial Paper & Color Corp. 35
Independent Mfg. Co. —
Industrial Consulting Labs., Inc. 54
Inland Alkaloid Co. 47
Innis, Speiden & Co. —
International Pulp Co. —
International Selling Corp. —
Irvington Smelting & Refining Works 26

Jackle, Frank R. —
Jones & Laughlin Steel Corp. 30B
Jungmann & Co., Inc. —

Kachurin Drug Co. —
Kelco Co. 49
Kentucky Color & Chemical Co. 37
Kessler Chemical Co., Inc. —
Khosrovshahi, Morteza 50
Knight, B. H. 54
Koppers Company 30A
Krebs Pigment & Color Corp. —

Laning, E. M., Co. 54
LaWall & Harrisson 54
Leghorn Trading Co. 47
Lemke, B. L., Fine & Rare Chemicals 47
Leonhard, Theodor, Wax Co., Inc. —
Lueders, George, & Co. 51

Magnetic Pigment Co. 36
Magnus, Mabee & Reynard, Inc. 51
Mallinckrodt Chemical Works 6
Mann, F. J., Inc. 46
Mantrose Corp. —
Marine Magnesium Products Corp. 50
Mathieson Alkali Works, Inc. —
McKesson & Robbins, Inc. —
Menhaden Fish Products Co. 39
Mercantile Import & Export Co. —
Merck & Co., Inc. 42
Metallurgical Products Co. 58
Metasap Chemical Co. —
Meyer, Herman, Drug Co., Inc. —
Michigan Alkali Co. —
Millmaster Chemical Co. —
Mills, Zophar, Inc. —
Minnesota Specialty Co. —
Molnar Laboratories 54
Monsanto Chemical Co. —
Munch, James C. 54
Mutual Chemical Co. of America 29

Napthole, Inc. —
National Aniline & Chemical Co., Inc. —
National Box & Lumber Co. —
National Lead Co. —
National Milk Sugar Co. 46
National Rosin Oil & Size Co. 36
Natural Products Refining Co. 29
Neuberg Chemical Corp. 46
Neville Co. —
New Jersey Zinc Co. —
N. Y. Quinine & Chemical Works, Inc. 45
Niacet Chemicals Corp. —
Niagara Alkali Corp. —

Oil States Petroleum Co., Inc. —
Oldbury Electro-Chemical Co. 27
Orbis Products Corp. 50
Orthmann Laboratories, Inc. 54
Osborn, C. J., Co. —

Pacific Alkali Co. —
Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. —
Paramount Chemical Corp. 33
Parsons, M. W. 36
Penick, S. B., & Co. 48
Pennsylvania Coal Products Corp. —
Pennsylvania Industrial Chem Corp. 35
Pennsylvania Refining Corp. —
Pennsylvania Salt Mfg. Co. —
Pfaltz & Bauer, Inc. —
Pfizer, Chas., & Co., Inc. 25
Phelps Dodge Refining Co. —
Philadelphia Quartz Co. —
Phosphate Mining Co. 26
Pittsburgh Plate Glass Co. —
Polachek, Z. H. 54
Potash Co. of America 55
Prentiss, R. J., & Co. 50
Prior Chemical Corp. 1
Procter & Gamble 39, 44
Publicker Commercial Alcohol Co. —
Purdy, W. S., Co., Inc. 54
Pure Calcium Products Division 1
Purocaine Chemical Co. —

Raisch, John E., & Co. 54
Reed-Blair Laboratories 54
Reichhold Chemicals, Inc. 9
Republic Steel Corp. 30B
Rheem Mfg. Co. —
Robinson Wagner Co. 44
Rosenthal, H. H., Co., Inc. —
Rufert Chemical Co. 21

Sadtler, Samuel P., & Sons, Inc. 54
St. Joseph Lead Co. —
Schuylkill Chemical Co. 44
Schwarz Laboratories, Inc. 54
Seil, Putt & Rusby, Inc. 54
Seydel Chemical Co. 46
Sharples Chemicals, Inc. 60
Sheffield Bronze & Powder Co. 36
Shell Oil Co. 18
Sherwood Refining Co., Inc. 58
Silzle, E. A., Corp. —
Skelly Oil Co. —
Smith, Kline & French Labs. —
Snell, Foster D., Inc. 54
Socony-Vacuum Oil Co., Inc. —
Solvay Sales Corp. —
Sonneborn, L., Sons, Inc. —
Southern Acid & Sulphur Co., Inc. —
Sparkler Mfg. Co. —
Standard Alcohol Co. 37
Standard Brands, Inc. —
Standard Oil Co. of Calif. —
Standard Specialty & Tube Co. —
Standard Synthetics, Inc. —
Standard Ultramarine Co. 37
Stauffer Chemical Co. 11
Stillman & Van Siclen, Inc. 54
Stillwell & Gladding 54
Stroock & Wittenberg Corp. —
Sun Oil Co. 19

Taintor Trading Co., Inc. 36
Tamms Silica Co., Inc. 37
Tar & Chemical Div. of Koppers Co. 31
Tar Residuals, Ltd. 30B
Tennessee Corp. —
Texas Gulf Sulphur Co., Inc. —
Thompson-Hayward Chemical Co. —
Thornton, The F. C., Co. —
Thurston & Braidich 50
Titanium Pigment Corp. —
Todd, A. M., Co. 52
Tombarel Products Corp. 51
Truesdail Laboratories, Inc. 54
Turner, Joseph, & Co. 44

Union Carbide & Carbon Corp. 2
U. S. Industrial Chemicals, Inc. 33
United States Potash Co. 55

Vanderbilt, R. T., & Co., Inc. —
Van Schaack Chemical Works, Inc. 51
Victor Chemical Works 28
Viking Distributing Co. 36
Vitro Mfg. Co. —
Vol-U-Meter Co. —

Wah Chang Trading Corp. 39
Warner Chemical Co. —
Weiss & Downs, Inc. 54
Wet Ground Mica Assn., Inc. —
White Tar Co. of N. J. 31
Wiley & Co., Inc. 54
Will & Baumer Candle Co., Inc. 41
Williams, C. K., & Co. —
Wilson Carbon Co. —
Wilson-Martin Division 40
Wishnick-Tumpeer, Inc. 15
Woburn Degreasing Co. of N. J. —
Wolf, Jacques, & Co. —
Wood Preserving Corp. 31
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